وزارة التعليم العالي والبحث العلمي
جهاز الإشراف والتقويم العلمي
دائرة ضمان الجودة والاعتماد الأكاديمي
قسم الاعتماد

دليل وصف البرنامج الأكاديمي والمقرر الدراسي

نموذج وصف البرنامج الأكاديمي

اسم الجامعة: كلية الحضارة الجامعة

الكلية/ المعهد: كلية الحضارة الجامعة

القسم العلمي: قسم التخدير والعناية المركزة

اسم البرنامج الأكاديمي او المهني: بكالوريوس تخدير وعناية مركزة

اسم الشهادة النهائية: بكالوريوس في التخدير والعناية المركزة

النظام الدراسي: فصلي

تاريخ اعداد الوصف: ٢٠٢٦/٤/١٢

تاريخ ملء الملف: ٢٠٢٦/٤/١٢

الاستاذ الدكتور
رائد فاضل جويد
معاون العميد للشؤون العلمية
كلية الحضارة الجامعة

التوقيع :

اسم المعاون العلمي:أ.د رائد فاضل جويد

التاريخ : ٢٠٢٦/٤/٢٧

التوقيع :

اسم رئيس القسم:أ.د محمد شريف عبدالله

التاريخ : ٢٠٢٦/٤/٢٧

كلية الحضارة الجامعة
قسم تقنيات التخدير

دقق الملف من قبل

شعبة ضمان الجودة والأداء الجامعي رهام قاسم

اسم مدير شعبة ضمان الجودة والأداء الجامعي: أ.م.د. غسان فاضل لطيف

التاريخ 27/04/2026

التوقيع

كلية الحضارة الجامعة
ضمان الجودة
ALHADARA UNIVERSITY COLLEGE

مصادقة السيد العميد

الاستاذ الدكتور
عبدالمجيد محمد أحمد
عميد الكلية
كلية الحضارة الجامعة

الممسوحة ضوئيا بـ CamScanner

1. رؤية البرنامج

أن يكون القسم مركزاً تعليمياً وتقنياً متميزاً في مجال التخدير والعناية المركزة، يسهم في إعداد ملاكات تقنية محترفة تمتلك مهارات الاستجابة الفورية والابتكار التكنولوجي، لضمان تقديم رعاية صحية آمنة وعالية الجودة للمرضى.

2. رسالة البرنامج

يلتزم القسم بتقديم برنامج أكاديمي تقني رصين يجمع بين المعارف الطبية التخصصية والمهارات التطبيقية المتقدمة في تقنيات التخدير والإنعاش. كما يسعى القسم إلى تعزيز البحث العلمي التطبيقي، وترسيخ القيم الأخلاقية والمهنية، وبناء شراكات فاعلة مع المؤسسات الصحية لتخريج كفاءات مؤهلة تلبي متطلبات سوق العمل وتساهم في تعزيز السلامة الطبية في صالات العمليات.

3. اهداف البرنامج

1- إعداد تقنيي تخدير مؤهلين يمتلكون المهارات التطبيقية في إدارة أجهزة التخدير.
2- تطوير المناهج بما يواكب التطورات في علم التخدير والتقنيات الرقمية المتقدمة.
3- تعزيز البحث العلمي التطبيقي في التخدير لتحسين سلامة المرضى ونتائج العمليات.
4- تطوير قدرات أعضاء هيئة التدريس وتشجيع النشر العلمي والمشاركة الأكاديمية.
5- ترسيخ القيم الأخلاقية والنزاهة المهنية والالتزام بمعايير سلامة المرضى.
6- تعزيز الشراكة مع المستشفيات لتوفير بيئة تدريب سريري واقعية ومتقدمة.
7- دعم الابتكار في مشاريع الطلبة لتطوير أنظمة ذكية لمراقبة التخدير.
8- تطبيق معايير الجودة والاعتماد الأكاديمي لضمان التحسين المستمر والتميز.

4. الاعتماد البرامجي

هل البرنامج حاصل على الاعتماد البرامجي ؟ ومن اي جهة ؟ كلا

5. المؤثرات الخارجية الأخرى

وزارة التعليم العالي و البحث العلمي
جهة التوأمة (كلية التقنيات الصحية و الطبية – الجامعة التقنية الوسطى)

6. هيكلية البرنامج

هيكل البرنامج	عدد المقررات	وحدة دراسية	النسبة المئوية	ملاحظات *
متطلبات المؤسسة				
متطلبات الكلية	22	61	39.3 %	
متطلبات القسم	32	120	57.2 %	
التدريب الصيفي	2	4	3.5 %	
أخرى				

* ممكن ان تتضمن الملاحظات فيما اذا كان المقرر أساسي او اختياري .

7. وصف البرنامج

السنة / المستوى	رمز المقرر أو المساق	اسم المقرر أو المساق	الساعات المعتمدة	
			نظري	عملي
الأولى الكورس الأول	MU0531101	الفيزياء الطبيه (1)	2	4
الأولى الكورس الأول	MU0531102	التشريح (1)	2	4
الأولى الكورس الأول	MU0531103	الفسلجة العامة(1)	2	4
الأولى الكورس الأول	MU0531104	الكيمياء العامة (1)	2	4
الأولى الكورس الأول	MU0531105	البايولوجي	2	4
الأولى الكورس الأول	MU0531106	اللغه الانكليزية (1)	2	–
الأولى الكورس الأول	MU0531107	مبادئ الحاسوب (1)	1	2
الأولى الكورس الأول	MU0531108	حقوق الانسان والديمقراطية	1	–

الأولى الكورس الثاني	MU0531201	الفيزياء الطبية (2)	2	4
الأولى الكورس الثاني	MU0531202	التشريح (2)	2	4
الأولى الكورس الثاني	MU0531203	الفسلجة العامة (2)	2	4
الأولى الكورس الثاني	MU0531204	الكيمياء الحيوية	2	4
الأولى الكورس الثاني	MU0531205	المايكرو بيولوجي	2	4
الأولى الكورس الثاني	MU0531206	مبادئ الحاسوب(2)	1	2
الأولى الكورس الثاني	MU0531207	اللغة العربية	2	–
الثانية الكورس الأول	MU0532101	اسس التخدير (1)	2	4
الثانية الكورس الأول	MU0532102	اسس اجهزة التخدير(1)	2	4
الثانية الكورس الأول	MU0532103	الفسلجة التطبيقية(1)	2	4
الثانية الكورس الأول	MU0532104	اسس الطب الباطني (1)	1	4
الثانية الكورس الأول	MU0532105	اسس الجراحة(1)	2	4
الثانية الكورس الأول	MU0532106	الدوائيات(1)	2	2
الثانية الكورس الأول	MU0532107	المصطلحات الطبية	2	–
الثانية الكورس الأول	MU0532108	جرائم حزب البعث	2	–
الثانية الكورس الثاني	MU0532201	اسس التخدير(2)	2	4
الثانية الكورس الثاني	MU0532202	اسس اجهزة التخدير(2)	2	4
الثانية الكورس الثاني	MU0532203	الفسلجة التطبيقية(2)	2	4
الثانية الكورس الثاني	MU0532204	اسس الطب الباطني (2)	1	4
الثانية الكورس الثاني	MU0532205	اسس الجراحة(2)	2	4
الثانية الكورس الثاني	MU0532206	الدوائيات(2)	2	2
الثانية الكورس الثاني	MU0532207	الاحصاء	1	2
الثالثة كورس أول	MU05330101	التخدير(1)	2	5
الثالثة كورس أول	MU0533102	اسس العناية المركزة (1)	2	4
الثالثة كورس أول	MU0533103	تقنيات اجهزة التخدير (1)	2	4

الثالثة كورس أول	MU0533104	الطب الباطني(1)	2	4
الثالثة كورس أول	MU0533105	الجراحة(1)	1	3
الثالثة كورس أول	MU0533106	تطبيقات الحاسوب(1)	1	2
الثالثة كورس ثاني	MU0533201	التخدير(2)	2	5
الثالثة كورس ثاني	MU0533202	اسس العناية المركزة(2)	4	4
الثالثة كورس ثاني	MU0533203	تقنيات اجهزة التخدير(2)	2	4
الثالثة كورس ثاني	MU0533204	الطب الباطني(2)	2	4
الثالثة كورس ثاني	MU0533205	الجراحة(2)	1	3
الثالثة كورس ثاني	MU0533206	تطبيقات الحاسوب(2)	1	2
الرابعة / كورس أول	MU0534001	تخدير متقدم(1)	2	4
الرابعة / كورس أول	MU0534002	تقنيات اجهزة التخدير (1)	4	2
الرابعة / كورس أول	MU0534003	تقنيات العناية المركزة(1)	2	4
الرابعة / كورس أول	MU0534004	الطب الباطن الجراحي(1)	1	4
الرابعة / كورس أول	MU0534005	طب الالم	1	4
الرابعة / كورس أول	MU0534006	اخلاقيات مهنة	1	–
الرابعة / كورس ثاني	MU0533301	تخدير متقدم(2)	2	4
الرابعة / كورس ثاني	MU0533302	تقنيات اجهزة التخدير(2)	4	2
الرابعة / كورس ثاني	MU0533303	تقنيات العناية المركزة(2)	2	4
الرابعة / كورس ثاني	MU0533304	الطب الباطن الجراحي(2)	1	4
الرابعة / كورس ثاني	MU0533305	طب طوارئ	1	–

8. مخرجات التعلم المتوقعة للبرنامج

المعرفة	
مخرجات التعلم 1أ	يصف الأسس العلمية والفسلجية والتشريحية والدوائية المرتبطة بحالات المرضى الخاضعين للتخدير والحالات الحرجة.

مخرجات التعلم 2أ	**يفسر مبادئ عمل أجهزة التخدير والمراقبة والتنفس الاصطناعي والدوائر التنفسية والأسس الفيزيائية المتعلقة بها.**
مخرجات التعلم 3أ	**يحدد البروتوكولات المعتمدة لأنواع التخدير المختلفة (العام، الموضعي، والناحي) والمضاعفات المحتملة لكل منها وكيفية تداركها.**
مخرجات التعلم 4أ	**يصنف العقاقير الطبية والمحاليل الوريدية المستخدمة في التخدير والعناية المركزة من حيث الجرعات، التأثيرات، والتداخلات الدوائية.**
المهارات	
مخرجات التعلم 1ب	**يجري خطوات تحضير وتجهيز عربة التخدير والأدوية والمعدات اللازمة قبل العمليات الجراحية بدقة وكفاءة عالية.**
مخرجات التعلم 2ب	**يطبق مهارات الإنعاش الرئوي (CPR) وإدارة المجرى التنفسي وتأمين الخطوط الوريدية في الحالات الطارئة والحرجة.**
مخرجات التعلم 3ب	**يحلل بيانات أجهزة المراقبة الحيوية ونتائج الفحوصات المختبرية (مثل غازات الدم) لاتخاذ قرارات تقنية سريعة لدعم استقرار المريض.**
مخرجات التعلم 4ب	**يشغل الأجهزة الطبية الحديثة والأنظمة الرقمية في وحدات التخدير والعناية المركزة مع إجراء الصيانة الدورية البسيطة لها.**
القيم	
مخرجات التعلم 1ج	**يتحمل المسؤولية القانونية والأخلاقية الكاملة تجاه سلامة المريض والحفاظ على خصوصيته وسرية معلوماته الطبية.**
مخرجات التعلم 2ج	**يلتزم بمعايير السيطرة على العدوى والوقاية المهنية**
مخرجات التعلم 3ج	**يعزز العمل بروح الفريق الواحد مع الملاك الطبي (الجراحين والممرضين) من خلال التواصل الفعال لضمان جودة الخدمة الصحية.**
مخرجات التعلم 4ج	**يظهر سلوكاً مهنياً منضبطاً في إدارة الوقت والتعامل مع ضغوط العمل في بيئة العمليات والحالات الحرجة**

9. استراتيجيات التعليم والتعلم

1- التعليم الصفي من خلال المحاضرات النظرية والعملية

2- التعلم من خلال التدريب في المستشفيات

3- اعداد التقارير والبحوث العلمية

10. طرائق التقييم

1- الامتحانات اليومية.

2- الواجبات البيتية.

3- الامتحانات الفصلية والنهائية.

11. الهيئة التدريسية

أعضاء هيئة التدريس

الرتبة العلمية	التخصص		المتطلبات/المهارات الخاصة (ان وجدت)		اعداد الهيئة التدريسية	
	عام	خاص			ملاك	محاضر
أ.د زيد محمد مبارك	علم حياة	فسلجة مرضية			/	
م. سعد حمدان حمود	قانون خاص	دولي خاص			/	
أ.د خلف فارس عطية	الكيمياء	الكيمياء التحليلية			/	
ا.م.د محمد شريف عبدالله	طب	باطنية وقلبية			/	
د. موفق صديم صالح	طب	طب باطني			/	
د.هند خالد صبيح	طب	طب مجتمع			/	

د.سعود نجم صالح	طب	جراحة عامة				/	
د.سعد جاسم محمد	طب	جراحة عامة					/
د.غسان فارس عيدان	طب	تخذيروعناية مركزية					/
د.نوفل خزعل حديد	طب	تخدير وعناية مركزية					/
د.علاء صابر شهاب	طب	فسلجة طبية				/	
د.سحر كامل الشخيلي	طب	طب مجتمع				/	
د.ميس طه خضير	طب	تخدير وعناية مركزية					/
د. محمد عادل دهش	طب	جراحة					/
د.هدى عبد شليخ	طب	طب الاسرة					/
د.علي حسين نصيف زبيدي	طب	جراحة عامة				/	
د. سالم عبدالله جاسم	طب باطني	طب باطني					/
د.عبدالرحمن سعيد مهدي	طب	تخذيروعناية مركزية					/

د.حذيفة عماد محمود	التخدير والعناية المركزية	تخدير وعناية المركزية					/
م.م سناء غازي مصطفى	تمريض	تمريض					/
م.م اريج مظهر خلف	علوم حياة	فسلجة				/	
م.م سيف الدين صلاح عبد	تحليلات مرضية	كيمياء حياتية				/	
م. ايلاف اكرم فاضل	علوم حياة	احياء مجهرية					/

التطوير المهني

توجيه أعضاء هيئة التدريس الجدد

توجيه أعضاء هيئة التدريس الجدد بضرورة العمل على تطوير المنهج العلمي وطريقة القاء المحاضرة العلمية وكيفية إيصال المادة العلمية للطالب.

التطوير المهني لأعضاء هيئة التدريس

العمل على إيجاد أفكار تطويرية والعمل على تطوير المختبرات العلمية والجانب العملي كون تخصص الطلبة هو تخصص علمي.

12. معيار القبول

1- المعدل للدراسة الثانوية و القبول المركزي حسب أنظمة وزارة التعليم العالي والبحث العلمي

2- مقابلة الطالب والوقوف على مؤهلاته الشخصية والبدنية .

13. **أهم مصادر المعلومات عن البرنامج**
1 الكتب المقررة من وزارة التعليم العالي والبحث العلمي. 2 المصادر العلمية الخارجية. الاستعانة بالمكتبات والانترنيت.

14. خطة تطوير البرنامج
يمتلك القسم الكثير من الخطط المنهجية والبحثية من اجل تطوير القسم والبيئة العلمية حيث تعمل رئاسة القسم ومجلس القسم واللجنة العلمية على توفير كافة المتطلبات من اجل تطوير القسم.

مخطط مهارات البرنامج

السنة / المستوى	رمز المقرر	اسم المقرر	اساسي أم اختياري	مخرجات التعلم المطلوبة من البرنامج											
				المعرفة				المهارات				القيم			
				أ1	أ2	أ3	أ4	ب1	ب2	ب3	ب4	ج1	ج2	ج3	ج4
المرحلة الاولى الكورس الاول 2025-2026	MU0531101	الفيزياء الطبيه (1)	اساسي												
	MU0531102	التشريح (1)	اساسي												
	MU0531103	الفسلجة العامة(1)	اساسي												
	MU0531104	الكيمياء العامة (1)	اساسي												
	MU0531105	البايولوجي	اساسي												

	MU0531106	اللغه الانكليزية (1)	اختياري																		
	MU0531107	مبادئ الحاسوب (1)	اختياري																		
	MU0531108	حقوق الانسان والديمقراطية	اختياري																		
المرحلة الاولى الكورس الثاني 2025-2026	MU0531201	الفيزياء الطبية (2)	اساسي																		
	MU0531202	التشريح (2)	اساسي																		
	MU0531203	الفسلجة العامة (2)	اساسي																		
	MU0531204	الكيمياء الحيوية	اساسي																		
	MU0531205	المايكرو بيولوجي	اساسي																		

	MU0531206	مبادئ الحاسوب(2)	اختياري																
	MU0531207	اللغة العربية	اختياري																
المرحلة الثانية الكورس الاول 2025-2026	MU0532101	اسس التخدير (1)	اساسي																
	MU0532102	اسس اجهزة التخدير(1)	اساسي																
	MU0532103	الفسلجة التطبيقية(1)	اساسي																
	MU0532104	اسس الطب الباطني (1)	اساسي																
	MU0532105	اسس الجراحة(1)	اساسي																
	MU0532106	الدوائيات(1)	اساسي																

	MU0532107	المصطلحات الطبية	اساسي																
	MU0532108	جرائم حزب البعث	اختياري																
المرحلة الثانية الكورس الثاني 2025-2026	MU0532201	اسس التخدير(2)	اساسي																
	MU0532202	اسس اجهزة التخدير(2)	اساسي																
	MU0532203	الفسلجة التطبيقية(2)	اساسي																
	MU0532204	اسس الطب الباطني (2)	اساسي																
	MU0532205	اسس الجراحة(2)	اساسي																
	MU0532206	الدوائيات(2)	اساسي																

	MU0532207	الاحصاء	اساسي																
المرحلة الثالثة الكورس الاول 2025-2026	MU05330101	التخدير(1)	اساسي																
	MU0533102	اسس العناية المركزة (1)	اساسي																
	MU0533103	تقنيات اجهزة التخدير (1)	اساسي																
	MU0533104	الطب الباطني(1)	اساسي																
	MU0533105	الجراحة(1)	اساسي																
	MU0533106	تطبيقات الحاسوب(1)	اختياري																
	MU0533201	التخدير(2)	اساسي																

المرحلة الثالثة الكورس الثاني 2025-2026	MU0533202	اسس العناية المركزة(2)	اساسي																	
	MU0533203	تقنيات اجهزة التخدير(2)	اساسي																	
	MU0533204	الطب الباطني(2)	اساسي																	
	MU0533205	الجراحة(2)	اساسي																	
	MU0533206	تطبيقات الحاسوب(2)	اختياري																	
المرحلة الرابعة الكورس الاول 2025-2026	MU0534001	تخدير متقدم(1)	اساسي																	
	MU0534002	تقنيات اجهزة التخدير (1)	اساسي																	
	MU0534003	تقنيات العناية المركزة(1)	اساسي																	

	MU0534004	الطب الباطن الجراحي(1)	اساسي																
	MU0534005	طب الالم	اساسي																
	MU0534006	اخلاقيات مهنة	اختياري																
المرحلة الرابعة الكورس الثاني 2025-2026	MU0533301	تخدير متقدم(2)	اساسي																
	MU0533302	تقنيات اجهزة التخدير(2)	اساسي																
	MU0533303	تقنيات العناية المركزة(2)	اساسي																
	MU0533304	الطب الباطن الجراحي(2)	اساسي																
	MU0533305	طب طوارئ	اساسي																

- يرجى وضع اشارة في المربعات المقابلة لمخرجات التعلم الفردية من البرنامج الخاضعة للتقييم

وصف المواد الدراسية

المرحلة الاولى

1. Course Name:

Anatomy

2. Course Code:

MU0531102

3. Semester / Year:

2025-2026

4. Description Preparation Date:

28-4-2026

5. Available Attendance Forms:

Weekly (theory + practical)

6. Number of Credit Hours (Total) / Number of Units (Total)

60 Hr. Units.6

7. Course administrator's name (mention all, if more than one name)

Name: Mowafq sdim
Email: mowafq.s@alimamunc.edu.iq

8. Course Objectives

Course Objectives	To inform the students about all the organs of the human beng from anatomic and showing the relationship between different organs the specific aims the student know every organ of the body from first inspection by naked eye and using microscope to differentiate the different tissue and cell

9. Teaching and Learning Strategies

Strategy	By theocratical and practical lectures The student viewing the anatomical spacemen in laboratory of all internal organs and skeleton under the supervision of senior

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Laerning Method	Evaluation Method
1	2 hr	Understanding lecture	Introduction, anatomical term	Lecture	Quick exam

2	2 hr	Understanding lecture	Body cavities and its organs	Lecture	Quick exam
3	2 hr	Understanding lecture	Superficial anatomy of human body	Lecture	Quick exam
4	2 hr	Understanding lecture	Human body tissue type and characteristic	Lecture	Quick exam
5	2 hr	Understanding lecture	Skin anatomy and its function skin color	Lecture	Quick exam
6	2 hr	Understanding lecture	General skeletal structure number and its function	Lecture	Quick exam
7	2 hr	Understanding lecture	Vertebral column structure and its function	Lecture	Quick exam
8	2 hr	Understanding lecture	Diaphragm and abdominal wall muscle	Lecture	Quick exam
9	2 hr	Understanding lecture	anatomy of the heart, wall, valve and its function	Lecture	Quick exam
10	2 hr	Understanding lecture	structure of blood vessels wall arteries, veins and capillaries	Lecture	Quick exam
11	2 hr	Understanding lecture	lymphatic system-lymph glands	Lecture	Quick exam
12	2 hr	Understanding lecture	respiratory system-upper respiratory tract	Lecture	Quick exam
13	2 hr	Understanding lecture	respiratory system- lower respiratory tract	Lecture	Quick exam
14	2 hr	Understanding lecture	alveoli-lungs-pleural activity	Lecture	Quick exam
15	2 hr	Understanding lecture	Revision	Lecture	Quick exam
16	2 hr	Understanding lecture	CNS structure and functions	Lecture	Quick exam

17	2 hr	Understanding lecture	spinal nerves PNS	Lecture	Quick exam
18	2 hr	Understanding lecture	Sensory and motor nerves system	Lecture	Quick exam
19	2 hr	Understanding lecture	GIT system; parts and structure of wall and stomach	Lecture	Quick exam
20	2 hr	Understanding lecture	salivary gland structure, pancreases and gall bladder	Lecture	Quick exam
21	2 hr	Understanding lecture	liver anatomy structure and functions	Lecture	Quick exam
22	2 hr	Understanding lecture	urinary system kidney, ureter, urinary bladder, urethra	Lecture	Quick exam
23	2 hr	Understanding lecture	Revision	Lecture	Quick exam
24	2 hr	Understanding lecture	Reproductive system male Genitalia	Lecture	Quick exam
25	2 hr	Understanding lecture	Female reproductive organs.	Lecture	Quick exam
26	2 hr	Understanding lecture	Endocrine gland anatomy and function	Lecture	Quick exam
27	2 hr	Understanding lecture	Endocrine gland anatomy and function	Lecture	Quick exam
28	2 hr	Understanding lecture	Ear anatomy	Lecture	Quick exam
29	2 hr	Understanding lecture	Ear anatomy	Lecture	Quick exam
30	2 hr	Understanding lecture	Revision	Lecture	Quick exam

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:

Computing

2. Course Code:

MU0531107

3. Semester / Year:

2025-2026

4. Description Preparation Date:

28-4-2026

5. Available Attendance Forms:

Weekly (theory + practical)

6. Number of Credit Hours (Total) / Number of Units (Total)

60 Hr. Units.2

7. Course administrator's name (mention all, if more than one name)

Name:Areej Samee
Email:

8. Course Objectives

Course Objectives	Providing students with basic information about computer components, basic principles of computer science, and its possible use in conducting nursing medical, accounting and engineering scientific research-Students in this semester are taught through theoretical and practical sessions to use computers and access electronic programs

9. Teaching and Learning Strategies

Strategy	Use of the following programs (Word / PowerPoint)

10. Course Structure

11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
(1-2-3)	2 Hours Theoretical- 2 Hours Practical/ Per Week	Identifying computer components and their use	Computer Basics	Theoretical/Practical	Theoretical exam-Practical exam-Reports-Monthly-Quiz-Oral
(4-5)	2 Hours Theoretical- 2 Hours Practical/ Per Week	Accessing Windows	Accessing Word	Theoretical/Practical	Theoretical exam-Practical exam-Reports-Monthly-Quiz-Oral
(6-7)	2 Hours Theoretical- 2 Hours Practical/ Per Week	Using Word	Using Word	Theoretical/Practical	Theoretical exam-Practical exam-Reports-Monthly-Quiz-Oral
(8-9)	2 Hours Theoretical- 2 Hours Practical/ Per Week	(PowerPoint) Basics	Understanding PowerPoint	Theoretical/Practical	Theoretical exam-Practical exam-Reports-Monthly-Quiz-Oral
(10-11-12)	2 Hours Theoretical- 2 Hours Practical/ Per Week	Using PowerPoint	Understanding PowerPoint	Theoretical/Practical	Theoretical exam-Practical exam-Reports-Monthly-Quiz-Oral
(13-14-15)	2 Hours Theoretical- 2 Hours Practical/ Per Week	(PowerPoint) Sheets	Applications of PowerPoint	Theoretical/Practical	Theoretical exam-Practical exam-Reports-Monthly-Quiz-Oral

11. Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
HUMAIN RIGHTS
2. Course Code:
MU0531108
3. Semester / Year:
2025-2026
4. Description Preparation Date:
28-12-2025
5. Available Attendance Forms:
Weekly .Theory
6. Number of Credit Hours (Total) / Number of Units (Total)
60 Hr. Units.1
7. Course administrator's name (mention all, if more than one name)
Name: Saad hamdan Email: saad.h@alimamunc.edu.iq
8. Course Objectives

Course Objectives	1- Identify the historical development of human rights 2- Getting to know human rights in religions and divine laws 3- Identify the role of international organizations in ensuring the protection and respect of human rights 4- Identify contemporary recognition of human rights 5- Identify the forms and generations of human rights 6- Learn about the concept of democracy 7- Identify the goals of democracy

	8-Identify the advantages and disadvantages of democracy
9. Teaching and Learning Strategies	
Strategy	− Lectures − Competitive discussion circles

		governmental organizations d their role in e fields of human rights			
	ecture	man rights contents			Attendance+Quiz
	ecture	e third neration: the neration of w human rights			Attendance+Quiz
	ecture	man rights arantees and otection, first section			Attendance+Quiz
	ecture	man rights arantees and otection at the national level			Attendance+Quiz
	ecture	man rights arantees and otection at the gional and international levels			Attendance+Quiz

10.

	ecture	The seco requirement: Human rights modern thoug revolutions, a legislation A. At the level political ide and theories B. At the level revolutions a legislation, contemporary recognition human rights			Attendance+Quiz
	ecture	The fi requirement: international recognition human rights Contemporary regional recognition			Attendance+Quiz
	ecture	e second requirement: e emergence non-			Attendance+Quiz

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
	ecture	man rights in ancient ilizations and		ecture	Attendance+Quiz

Course Structure

		direct democracy			
	ecture	Manifestations semi-direct democracy			Attendance+Quiz
	ecture	preciation of system of semi-direct democracy			Attendance+Quiz
	ecture	lars of the epresentative system			Attendance+Quiz
	ecture	e concept of semi-direct democracy			Attendance+Quiz
	ecture	e relationship tween human hts and blic freedoms			Attendance+Quiz
	ecture	e concept of mocracy, the historical velopment of democracy			Attendance+Quiz
	ecture	aves of mocracy in twentieth century			Attendance+Quiz
	ecture	e modern ncept of mocracy A. e economic d social content			Attendance+Quiz
	ecture	e content of direct democracy			Attendance+Quiz
	ecture	plications of direct democracy			Attendance+Quiz
	ecture	preciation of system of			Attendance+Quiz

		divine laws e first requirement: man rights in ancient civilizations A. Mesopotamian civilizations			
	ecture	Human rights thought, revolutions, a modern laws A. At the level political ide and theories B. At the level revolutions a legislation, contemporary recognition human rights			Attendance+Quiz

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Human Right
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
Biology
2. Course Code:
MU0531205
3. Semester / Year:
First stage 2026-2025
4. Description Preparation Date:
28-01-2026
5. Available Attendance Forms:

Available, Theory and practical
6. Number of Credit Hours (Total) / Number of Units (Total)
4/6
7. Course administrator's name (mention all, if more than one name)
Name: Prof. Dr. Zaid mohammed Email: zaid.m@alimamunc.edu.iq
8. Course Objectives

Course Objectives	***General Objective: At the end of the f course, the student will be able to:** ***Identify the cell, its types, sizes, struct types of reproduction, DNA and its types, h to reproduce and replicate it, how manufacture protein, and describe the types bonding tissues, including bones, cartila blood, lymph and muscles.....**

9. Teaching and Learning Strategies

Strategy	Teaching and learning strategies are a set of activities or mechanis used by the teacher with the aim of achieving predetermined a desired goals and these strategies include many of the methods a techniques used by the teacher. Brainstorming strategy: aims to generate as many ideas and opinio as possible for a particular topic. This is done by encouragi students to think freely and share their ideas. These strategies contribute to making learners active and active educational situations, and promote interaction and effect learning in acquiring skills.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 2+3 5+4 6 7+8 9 10+11 12+13	2 2 2 2 2 2 2	Understand and understand theoretical d practical ntent of each lecture Understand and understand theoretical d practical ntent of the lecture Understand content of the lecture Understand content of the lecture derstanding and areness of at is ntioned in the lecture Understanding and awareness of what is mentioned in the lecture Understanding and awareness of what is	ntroduction Biology, the cells, Eukaryotic and Prokaryotic ls, Plant d animal cells e Stricture cells, Types ape and Size of cells vement in d out of cells: Diffusion, mosis and Active .Transport ll Division, Amitosis, tosis and Miosis cleic Acid: A and RNA, DNA		

14 15		mentioned in the lecture Understanding and awareness of what is mentioned in the lecture Understanding and awareness of what is mentioned in the lecture Understanding and awareness of what is mentioned in the lecture			

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc.....

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:

Medical Physics

2. Course Code:

MU0531101

3. Semester / Year:

The first stage 2026-2025

4. Description Preparation Date:

2026/3/28

5. Available Attendance Forms:

Immanence

6. Number of Credit Hours (Total) / Number of Units (Total)

6/4

7. Course administrator's name (mention all, if more than one name)

Name:Awrad Subhi Mahmoud
Email: awrad374@gmail.com

8. Course Objectives

Course Objectives	**At the end of the academic year, the stud should be able to:** **1- Identify pressures, fluids, viscosity temperature.** **2- Identify gas laws, real and ideal gas methods of heat trans thermodynamic and electrical laws.** **3- Identify medical phenomena that observes during his practical life, s as blood flow, the heart or brain read device, the temperature of the hum body and pressures.**

9. Teaching and Learning Strategies

Strategy	Theoretical and practical lectures, scientific films, applied laboratories, thinking and discussion method, paper and electronic books

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation Method
1-2	1	Understand the lecture	Physics of Skeleton Pressure	a lecture	+Quiz Presence
3-5	1	Understand the lecture	Energy, work and power of the body.	a lecture	+Quiz Presence
6-7	1	Understand the lecture	Heat and cold in Medicin	a lecture	+Quiz Presence
8-9	1		Specific heat, heat Capacity latent heat, thermometer and it's kinds, heat		+Quiz

		Understand the	transfer by conduction, convection and radiation. Regulation of heat through the human body.	a lecture	Presence
10	1		Boyle's law,		+Quiz Presence
11-13	1	lecture Understand the lecture	diffusion and mixing of gases Physics of lung And Breathing	a lecture	+Quiz Presence
14-15	1	Understand the lecture	Evaporation of liquids vapour pressure and boiling point, humidity, laminar and turbulent flow in liquid.	a lecture	+Quiz Presence
11. Course Evaluation					

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports ..... etc	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Essential of Medical Physics. 3rd ed., Albert Bary et al., 2010
Main references (sources)	Medical Physics. 12th ed., Sylvia et al., 2012
Recommended books and references (scientific journals, reports...)	Scientific journals
Electronic References, Websites	Internet sites

1. Course Name:
Medical Physics
2. Course Code:

1. Course Name:
Chemistry
2. Course Code:
Mu0531104
3. Semester / Year:
2026-2025
4. Description Preparation Date:
28/03/2026
5. Available Attendance Forms:
Physical attendance
6. Number of Credit Hours (Total) / Number of Units (Total)
Number of Credit Hours (5) / Number of Units (7). 30hr
7. Course administrator's name (mention all, if more than one name)
Name: Khalaf Faris Atiyah Email: alfarisalsamarrai2013@gmil.com
8. Course Objectives

Course Objectives	• Ability to understand clinical chemistry and its applications. • Ability to link diseases and abnormal symptoms in the components of the blood and body. • The student should be able to use the necessary devices an tools. • Ability to collect and treat samples ideologically. • The student will be able to estimate the components

	of bloo and other body fluids. • The student must be able to work safely in laboratories.

9. Teaching and Learning Strategies

Strategy	Homework, Assignments, Written exams, Quizzes, Seminars, Reports, Practical tests and online test.

10. Course Structure

Course Name:

Chemistry

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Scope of biochemistry (1 n health and disease, cell and ,cell constituents Some aspects of physical (0 chemistry, Gas laws, Boyle's w, Graham's Law of diffusion, Dalton's Law of partial essure, General gas equation, the international system of .units Radio activity and (3 .radioactive isotopes	15	Knowledge and (1 understanding Intellectual skills (2 fessional and/or (3 Practical skills 4)General and transferable skills	Hours / week	Lectures, lab activity, reports and seminars.	Quizzes and MCQ exams.

Solutions and methods of (2 expressing concentrations .colloidal solution						
he PH concept, Acid-base (2 lance, chemical equilibrium, .common lon effect						
ffer and buffer systems of (6 physiological importance in .living systems						
Blood, blood constituents, (7 dy fluids, regulation of blood .P'h and body fluids						
Water and electrolyte (8 balance osmotic pressure of body fluids, control of total electrolytes and body ,fluids						
rbohydrates classification (9 actions, main carbohydrates .in human body						
Metabolism of (12 arbohydrates, blood glucose tors controlling glucose level .in blood						
Glucose abnormalities, (11 diabetes mellitus, ketosis, glycosuria, glucose tolerance .curve						
Lipids, classification, (10 derived lipids, compound,						

.lipids Lipid metabolism, lipid (13					
.abnormalities Proteins, classification, (14 functions, peptide bonds, amino acids, chemical .reactions 15) Nucleic acids and their Expression, DNA Replication Nutation, RNA Topology.					

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Not Applicable
Main references (sources)	Essentials of medical chemistry handbook
Recommended books and references (scientific journals, reports...)	Clinical, organic and medical health care journ
Electronic References, Websites	https://guides.library.vcu.edu/c.php?g=476811&p=2983

1. Course Name:
Physiology
2. Course Code:
MU0531203
3. Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5. Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
60 Hr. Units.4
7. Course administrator's name (mention all, if more than one name)
Name: Alaa saber Email:
8. Course Objectives

Course Objectives	At the end of the academic year, the student will be able to understand the functions of the various cells and organs of the body and perform the various techniques of blood and other bodily fluid analyzes

9. Teaching and Learning Strategies

Strategy	Use of the following programs (Word / PowerPoint)

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	**Assessment Method**
1	3 Theoretic Cal 2 Practice Al		**Definition of physiology; cel l physiology; cel l membrane components an d structure.**		
	3		**Movement of**		

2	theoretical 2		**fluid, solutes and gases across the**		
	practical		**cell membrane.**		
	3		**Muscular tissues: types & characteristics.**		
	theoretic				
3	al				
	2				
	practical				
	3		**Contraction**		
4	theoretical 2		**mechanism, fatigue, muscular**		
	practical		**pain**		
	3		**Types of nerve cells, functions of nerve impulse,**		
	theoretic				
5	al				
	2				

	practical		**synapses and reflexes**		
	3		**Action potential of nerve and muscle fiber.**		
	theoretic				
6	al				
	2				
	practical				
	3		**Blood; functions,**		
7	theoretic al 2		**component, plasma and**		
	practical		**serum**		
8	3 theoretic		**Red blood cells,**		
	al 2 practical		**shape, origin, Hb structure and Anemia**		

9	3 theoretical 2 practical		**W.B.Cs, platelets ; functions , origin, structure**		
10	3 theoretical 2 practical		**Blood clotting mechanism**		
11	3 theoretical 2 practical		**Cardiovascular system ,heart valve cycle, HR conductive system.**		
12	3 theoretical 2 practical		**Heart sounds and murmers, ECG**		

13	3 theoretical 2 practical		**Blood pressure**		
14	3 theoretical 2 practical		**Respiratory system, Pleura , Types of mechanism of respiration.**		
15	3 theoretical 2 practical		**Oxygen Transporting and exchange**		
16	3 theoretical 2 practical		**Carbon dioxide transporting and exchange**		
17	3 theoretic		**Lung Vol. and**		
	al 2 practical		**capacity, types of Hypoxia**		

18	3 theoretical 2 practical		**Physiology of digestive system, gastric phases**		
19	3 theoretical 2 practical		**Steps of digestion (carbohydrate, protein, fat digestion and absorption)**		
20	3 theoretical 2 practical		**Urinary system, renal functions, urine formation.**		
21	3 theoretical 2 practical		**Role of kidney to maintain body fluids to regulate B.Pr., acid base balance**		
	3		**Body**		

22	theoretical 2 practical		**température régulation and control**		
23	3 theoretical 2 practical		**Nervous system, CNS brain function and centers**		
24	3 theoretical 2 practical		**Spinal cord, CSF, Spinal reflexes**		
25	3 theoretical 2 practical		**PNS Autonomic and Sensory**		
26	3		**Endocrine system**		
	theoretical 2 practical		**control of hormone , types and secretion**		

27	3 theoretical 2 practical		**Hormonal secretion form different glands**		
28	3 theoretical 2 practical		**Reproductive system , male reproductive system**		
29	3 theoretical 2 practical		**Female reproductive system**		
30	3 theoretical 2 practical		**Definition of physiology; cell physiology; cell membrane components and structure.**		

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

وصف مقررات المرحلة الثانية

1. Course Name:
Anesthesia equipments 1
2. Course Code:
MU0532102
3. Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5. Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
60 Hr. Units.4

7. Course administrator's name (mention all, if more than one name)
Name: Mohmmad Adeal Email:

8. Course Objectives	
Course Objectives	1.the student should understand his role and responsibilities in providing anesthesia care 2. educating the student about different equipments that are present in the operation rooms & intensive care units 3. knowledge about the main features of these equipments 4. knowledge about the performance of these equipments while providing anesthesia or while providing monitoring care in the intensive care units

9. Teaching and Learning Strategies	
Strategy	**teaching the course aims to introduce the student to the basics of using and maintaining devices**

10. Course Structure

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method

1+2	4 H	lecture Understanding	**Operating room design and functioning**	lecture	Quick,
3+4	4 H	lecture Understanding	**Canula and giving set and device for intravenous infusion**	lecture	Quick
5+6	4 H	lecture Understanding	**Physical principles: behavior of molecules of solid and liquid, heat and**	lecture	Quick

			temperature		
7+8	4 H	lecture Understanding	**Physical principles: properties of gases, temperature change in anaesthetic machine,** **and flow of fluid through tubes and orifice**	lecture	Quick
9+10	4 H	lecture Understanding	**Infusion equipment: patient control**	lecture	Quick
			analgesia, filtration, autotransfusion		

11+12	4 H	lecture Understanding	**The supply of anaesthetic gases, cylinders, oxygen concentrato r**	lecture	Quick
13+14	4 H	lecture Understanding	**Medical gas services, bulk storage, and supply of gases, piped medical vaccum,elect rical supply**	lecture	Quick,
15+16	4 H	lecture Understanding	**Distribution of pipework,**	lecture	Quick

			terminal outlet		
17+18	4 H	lecture Understanding	**Flexible pipeline, test and check for medical gas pipeline**		Quick
19+20	4 H	lecture Understanding	**Measurements of gas flow and pressure, force and pressure**	lecture	Quick
21+22	4 H	lecture Understanding	**Vaporizer: law of vaporization, vaporizing system, type of vaporizer**	lecture	Quick

23+24	4 H	lecture Understanding	**Factor affecting vaporizer performance , calibration of vaporizer, filling of vaporizer**	lecture	Quick
25+26	4 H	lecture Understanding	**Continuous flow anaesthetic machine: machine framework, the compressed gas** **attachment, flowmeter, back Bar**	lecture	Quick,
27+28	4 H	lecture Understanding	**Safety**	lecture	Quick

			features of anaesthetic machine, common gas outlet, auxiliary gas sockets		
29+30	4 H	lecture Understanding	**Maintenance of anaesthetic machine**	lecture	Quick

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Anesthesia equipment, principle and application, Jan Ehrenwerth, MD, 2nd edition .2 The MGH Textbook of Anesthetic Equipment, Warren S. Sandberg, MD, PhD 2nd edition

Main references (sources)	Essentials of Equipment in Anaesthesia, Critical Care and Peri-Operative Medicine Baha Al-Shaikh and Simon G. Stacey
Recommended books and references (scientific journals, reports...)	Anesthetic journals and articles
Electronic References, Websites	

1. Course Name:
BASICS OF SURGERY

2. Course Code:	
MU0532105	
3. Semester / Year:	
2025-2026	
4. Description Preparation Date:	
28-3-2026	
5. Available Attendance Forms:	
Weekly (theory + practical)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 Hr. Units.3	
7. Course administrator's name (mention all, if more than one name)	
Name: ALI Alzubedy Email:	
8. Course Objectives	
Course Objectives	To familiarize the student with the basic principles related to the foundations of surgery, which are related to anesthesia and intensive care . Special Objective : To teach the student the basic principles of surgery, including the applications of physiology and pathology in interpreting the changes and complications that occur in the human body as a result of injuries and various medical conditions and how to deal
9. Teaching and Learning Strategies	
Strategy	**1. Ensure that students attend lectures & strictly follow up on absence.**

	2.Approing of established scientific references of the latest edition **3. Adopting practical lectures to deepen ,understanding comprehension of the scientific material** **4. Attention & following up on summer training in the health institutions 5.Attention & ensuring on workshops &scientific activities** **6.Obligating students to engage in social activities, especially those related to their specialization.** **7.Directing the students to the necessity of activating the spirit of scientific research &paying serious attention to graduation researches**

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2theoretical 2 practical	Understanding the lecture	The cell & cell injury, necrosis	Lecture and practical training	Theoretical and practical exam
2	2theoretical 2 practical	Understanding the lecture	Inflammation (acute & chronic)	Lecture and practical training	Theoretical and practical exam
3	2 theoretical 2 practical	Understanding the lecture	Wounds , wound healing, scars	Lecture and practical training	Theoretical and practical exam
4	2 theoretical 2 practical	Understanding the lecture	Surgical microbiology	Lecture and practical training	Theoretical and practical exam

5	2 theoretical 2 practical	Understanding the lecture	Abscess, cellulites, non-specific infections	Lecture and practical training	Theoretical and practical exam
6	2 theoretical 2 practical	Understanding the lecture	Gas Gangrene, other types of Gangrene [causes]	Lecture and practical training	Theoretical and practical exam
7	2 theoretical 2 practical	Understanding the lecture	-:Specific infections	Lecture and practical training	Theoretical and practical exam
8	2 theoretical 2 practical	Understanding the lecture	T.B,	Lecture and practical training	Theoretical and practical exam
9	2 theoretical 2 practical	Understanding the lecture	Surgical immunopathology	Lecture and practical training	Theoretical and practical exam
10	2 theoretical 2 practical	Understanding the lecture	Ulcers, sinuses, fistula	Lecture and practical training	Theoretical and practical exam
11	2 theoretical 2 practical	Understanding the lecture	Sterile precautions, AIDS	Lecture and practical training	Theoretical and practical exam

12	2 theoretical 2 practical	Understanding the lecture	Acid-Base balance, Fluid- balance, types of I.V. Fluids	Lecture and practical training	Theoretical and practical exam
13	2 theoretical 2 practical	Understanding the lecture	Calcium metabolism, calcifications		Theoretical and practical exam
14	2 theoretical 2 practical	Understanding the lecture	Blood fractions & transfusion	Lecture and practical training	Theoretical and practical exam
15	2 theoretical 2 practical	Understanding the lecture	Coagulopathy, B. dyscrasia in surgery		Theoretical and practical exam
16	2 theoretical 2 practical	Understanding the lecture	Shock (types, pathophysiology)	Lecture and practical training	Theoretical and practical exam
17	2 theoretical 2 practical	Understanding the lecture	Emergency surgery, reaction of body to injury	Lecture and practical training	Theoretical and practical exam
18	2 theoretical 2 practical	Understanding the lecture	Nutritional support in surgery	Lecture and practical training	Theoretical and practical exam

19	2 theoretical 2 practical	Understanding the lecture	Types of Surgical Diseases :- Hereditary, Congenital, Acquired	Lecture and practical training	Theoretical and practical exam
20	2 theoretical 2 practical	Understanding the lecture	Angiology: Acute & Chronic Ischaemia – causes, clinical features	Lecture and practical training	Theoretical and practical exam
21	2 theoretical 2 practical	Understanding the lecture	Angiology: Venous Dis. – Thrombophlebitis & Phlebothrombosis	Lecture and practical training	Theoretical and practical exam
22	2 theoretical 2 practical	Understanding the lecture	Lymphadenopathy, surgical . lymphoedema	Lecture and practical training	Theoretical and practical exam
23	2 theoretical 2 practical	Understanding the lecture	Pre - operative preparation	Lecture and practical training	Theoretical and practical exam
24	2 theoretical 2 practical	Understanding the lecture	Post – operative complications & care	Lecture and practical training	Theoretical and practical exam

25	2 theoretical 2 practical	Understanding the lecture	Cellular Growth - its reactions to Stress & Injury	Lecture and practical training	Theoretical and practical exam
26	2 theoretical 2 practical	Understanding the lecture	Oncology.	Lecture and practical training	Theoretical and practical exam
27	2 theoretical 2 practical	Understanding the lecture	Oncology.	Lecture and practical training	Theoretical and practical exam
28	2 theoretical 2 practical	Understanding the lecture	,Chemotherapy	Lecture and practical training	Theoretical and practical exam
29	2 theoretical 2 practical	Understanding the lecture	radiation & biological effects of them	Lecture and practical training	Theoretical and practical exam
30	2 theoretical 2 practical	Understanding the lecture	Common skin lesions , tumours	Lecture and practical training	Theoretical and practical exam

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	Basic surgical technique by Fiona Myint 7th edition Text book of surgery by Courtney townsend 12th edition
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
Biostatistics
2. Course Code:

MU0532105
3. Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5. Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
60 Hr. Units.2
7. Course administrator's name (mention all, if more than one name)
Name: Areeg Madher Email:
8. Course Objectives

Course Objectives	important of biostatistics and the method of data collection and classifying them in deferent types of scales f central tendency and their characteristics and the relationship between the same scales and the measures of cient between the variables of life phenomena , including health and enviroession between these variables to articular phenomenon as well as conducting specificity tests and an acceptance statement hypotheses or their ult we optain for a particular

	phenomenon as well as the applications of probability distribution to the health data to find out the probability that the variable in the phenomenon will obtain.

9. Teaching and Learning Strategies

Strategy	Lectures and class activities and recitation.

10. Course Structure

11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	3Hours		Introduction Measurement scale of variables. Statistical tables.	Theoretical / applied	Daily tests / theory and exams

2	3Hou res		Graphical presentation.	Theoretical / applied	Daily tests / theory and exams
3	3Hour es		Arithmetical presentation. a-Central tendency Measurements (mean-Arithmetica mean)(Weight mean of score.	Theoretical / applied	Daily tests / theory and exams
4	3Hour es		Geometric mean . Harmonic mean , mode . median .	Theoretical / applied	Daily tests / theory and exams

5	3Hour es		b- Dispersion measurements . Quartiles . Deciles . percentiler . mean deviation . standard deviation . variance	Theoretical / applied	Daily tests / theory and exams
6	3Hour es		Range . root mean square . Interquartile range . quartile	Theoretical / applied	Daily tests / theory and exams

			deviation.		
			Coefficient of variation . coefficient of quartile . standardized veriable (standard scores)		
7	3Hour es		c- Coefficient of skewness . Coefficient of momental skewness . presons first Coefficient of skewness . quartile Coefficient of skewness d Coefficient of kurtosis . Coefficient of momental kurtosis	Theor etical / applie d	Daily tests / theory and exams
8	3Hour es		Probability . Introduction . definitions- definition of probability probability theorem	Theor etical / applie d	Daily tests / theory and exams
	3Hour es		Conditional prob. Mutanlly	Theor etical /	Daily tests / theory and

9			exclusive . indebendence , ranges theorem	applied	exams
10	3Hours		Random variable . probability eunction . mathematical expectation – variance .	Theoretical / applied	Daily tests / theory and exams
			probability distribution . discrete case continuous case		
11	3Hours		Sampling distribution	Theoretical / applied	Daily tests / theory and exams
12	3Hours		Estimation . summary of confidence interval	Theoretical / applied	Daily tests / theory and exams
13	3Hours		Summary of significant tests .	Theoretical / applied	Daily tests / theory and exams

14	3Hour es		Testing for the value of specified parameter (s) .	Theor etical / applie d	Daily tests / theory and exams
15	3Hour es		Analysis of variance One – way classification Two-way classification with one observation per cell Two - way classification with ® observation per cell Multiple comparsions (A-ANOVA).	Theor etical / applie d	Daily tests / theory and exams
16	3Hour es		-part (11) a-General linear model	Theor etical / applie d	Daily tests / theory and exams
17	3Hour es		-The simple regression model -The multiple regression model	Theor etical / applie d	Daily tests / theory and exams

			-The correlation coefficients		
18	3Hour es		b-Time series analysis	Theor etical / applie d	Daily tests / theory and exams
19	3Hour es		-Antoregressive model (AR) -Moving average model (MA)	Theor etical / applie d	Daily tests / theory and exams
20	3Hour es		part (III) -Non _parametric statistics	Theor etical / applie d	Daily tests / theory and exams
21	3Hour es		The single sample case -(Binomial-test) (Chi-square-test)	Theor etical / applie d	Daily tests / theory and exams
22	3Hour es		(kolonnogorove-simirnov-test) -(Runs-test for	Theor etical / applie	Daily tests / theory and exams

			randomness)	d	
23	3Hour es		The case of paired replicats of one-sample) -(Mc-Nemar change test)	Theor etical / applie d	Daily tests / theory and exams
24	3Hour es		(sign_test) (Wilcoxon sign rank_test)	Theor etical / applie d	Daily tests / theory and exams
25	3Hour es		The case of indepent (two-sample) -(Chi-wquare- test of indep Test)	Theor etical / applie d	Daily tests / theory and exams
26	3Hour es		(Median-test)	Theor etical / applie d	Daily tests / theory and exams
27	3Hour es			Theore tical /	Daily tests /

			- (kolomogrv-smirrov-two sample test)	applied	theory and exams
28	3Hour es		The case of(K) related sample	Theoretical / applied	Daily tests / theory and exams
29	3Hour es		(Friedman-two way ANOVA test)	Theoretical / applied	Daily tests / theory and exams
30	3Hour es		The case of (K) independent sample -(Krishal-Wallis one -way ANOVA	Theoretical / applied	Daily tests / theory and exams

11. Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
Internal Medicine
2. Course Code:
MU0532104
3. Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5. Available Attendance Forms:

Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
60 Hr. Units.4
7. Course administrator's name (mention all, if more than one name)
Name: Mohammed Shareef Email:
8. Course Objectives

Course Objectives	Introduce the student to all diseases that can affect the body parts. Special Objectives: The student will be able to identify diseases: The respiratory system. The digestive system. 3 -The kidney 4 -Liver.

9. Teaching and Learning Strategies

Strategy	1- The theoretical practical material delivered by the teacher 2- The student performs clinical examinations in practice in the hospital 3- The teacher supervises the work of the students and through it the evaluation is done

10. Course Structure
11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
Anesthesia
2. Course Code:
MU0532101
3. Semester / Year:
2025-2026
2. Description Preparation Date:
28-3-2026
3. Available Attendance Forms:
Weekly (theory + practical)

4. Number of Credit Hours (Total) / Number of Units (Total)	
30 Hr. Units.4	
5. Course administrator's name (mention all, if more than one name)	
Name: Salam Abdulla Najim Email:	
6. Course Objectives	
Course Objectives	general goal: 1- Introducing the student to the anesthetic materials and devices used and to resuscitate the patient. 2- Acting wisely on how to manage the patient in the event of an emergency situation. own goal:- 3- Familiarize yourself with all anesthesia devices. 4- Giving narcotics. 5- Resuscitate the patient.

	Acting wisely on how to manage the patient in the event of an emergency situation.

7. Teaching and Learning Strategies

Strategy	Theoretical and practical methods of laboratory and hospitals, as well as illustrations and educational videos Also, the open discussion method With exams at the end of the lecture Also presenting case scenarios

8. Course Structure

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
			History of anaesthesia & introduction to	theoretical material - Laboratories	

First week	7	Theory – practice	anaesthesia.	for the practical subject inside the anesthesia laboratory and the operating Room	Actual attendance theory tests - practical tests inside laboratories
			Respiratory	theoretical	

Second week	7	Theory – practice	physiology & anatomy.	material - Laboratories for the practical subject inside the anesthesia laboratory and the operating Room	Actual attendance theory tests - practical tests inside laboratories

Third wee;	7	Theory – practice	Continue Resp. Phys. & Anatomy.	theoretical material - Laboratories for the practical	Actual attendance theory tests - practical tests inside laboratories
				subject inside the anesthesia laboratory and the operating room	
			General	theoretical	

Forth week	7	Theory – practice	pharmacology.	Material - Laboratories for the practical subject inside the anesthesia laboratory and the operating Room	Actual attendance theory tests - practical tests inside laboratories
			Inhalational	theoretical	

Fifth week -9 th week	7	Theory – practice	anaesthetics.	Material - Laboratories for the practical subject inside the anesthesia laboratory and the operating Room	Actual attendance theory tests - practical tests inside laboratories
10 th - 14 th	7	Theory –	Intra venous	theoretical	Actual attendance

week		practice	anaesthetics.	material - Laboratories for the practical subject inside the anesthesia laboratory and the operating room	theory tests - practical tests inside laboratories
				theoretical	

16th week - 19 th week	7	Theory – practice	Local relaxants.	Material - Laboratories for the practical subject inside the anesthesia laboratory and the operating Room	Actual attendance theory tests - practical tests inside laboratories

9. Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
10. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	

Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
Pharmacology
2. Course Code:
MU0532106
3. Semester / Year:
2025-2026
4. Description Preparation Date:

28-3-2026
5. Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
60 Hr. Units.3
11. Course administrator's name (mention all, if more than one name)
Name: Hend Email:
12. Course Objectives

Course Objectives	1. Differentiate between various drugs forms. 2. Understand the essential information concerning different types of drugs, such as mechanism of action does side effect and methods of administration. 3. Recognize the responsibility of the nurse in giving drugs through the therapeutic process. 4. Realize different types of drug therapy across the life span.

	5. Identify the essential principles in administration of medications. 6. Recognize drugs acting on common diseases.
13. Teaching and Learning Strategies	
Strategy	• Learn the basics of pharmacology. • Identifying pharmaceutical classifications, the objectives of dealing with different medications, and the medicinal purpose. • Informing students about the side effects of various types of medications and how to safely deal with different treatments, as well as learning about mathematical methods for calculating medication doses for different ages.

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 week	1hr clinical 1hr theory	Learn Lecture	Introduction, neral aspects pharmacology, nciple of drug administration	Lecture	Daily surprise exams, endance uestions
2week	1hr clinical 1hr theory	Learn Lecture	armacokinetic, nciples in the .use of drugs	Lecture	Daily surprise exams, endance uestions
3 week	1hr clinical 1hr theory	Learn Lecture	Drug metabolism and excretion. Drug action on	Lecture	
4week	1hr clinical	Learn Lecture	cardiovascular syste	Lecture	Daily surprise
5week	1hr theory	Learn Lecture	Drug effects on respiratory system parts and diseases of respiratory system. Expectorant , broncholdilator, antitussive	Lecture	exams, endance uestions
6week	1hr	Learn Lecture	Drug effects on	Lecture	Daily

Course Structure

	clinical 1hr theo		neuropharmacology		
3week	1hr clinical 1hr theo	Learn Lecture	Skeletal muscle relaxants	Lecture	Daily surprise
4week	1hr clinical 1hr theo	Learn Lecture	Local anaesthetics	Lecture	exams, endance uestions
5week	1hr clinical 1hr theo	Learn Lecture	General anaesthetics	Lecture	Daily surprise exams,
6week	1hr clinical 1hr theo	Learn Lecture	General anaesthetics	Lecture	endance uestions
7week	1hr clinical 1hr theo	Learn Lecture	Hypnotic and sedative drugs	Lecture	Daily surprise
8week	1hr clinical 1hr theo	Learn Lecture	Antiepileptic drugs	Lecture	exams, endance uestions
9week	1hr clinical 1hr theo	Learn Lecture	Narcotic (Opioid), analgesic	lecture	Daily surprise exams, endance uestions

	clinica 1hr theory		respiratory system parts and diseases of respiratory system. Expectorant , broncholdilator, antitussive		surprise exams, endance uestions
7week	1hr clinica 1hr theory	Learn Lecture	Drugs action on digestive system. Par and diseases of digestive system. Dru act on higher part of digestive system. Dru act on lower part of digestive system	Lecture	Daily surprise exams, endance uestions
8week	1hr clinica 1hr theory	Learn Lecture	Drugs action on digestive system. Par and diseases of digestive system.	Lecture	Daily surprise exams, endance uestions
9week	1hr clinica 1hr theory	Learn Lecture	Drugs acting on urina system diuretics, antidiuretic	Lecture	Daily surprise exams, endance uestions
0week	1hr clinica 1hr theory	Learn Lecture	Blood dysfunctions, drugs affecting blood platelet inhibitors , anticoagulant, treatment of bleeding , anti anemic drugs	Lecture	
1week	1hr	Learn Lecture	Antimicrobial drug	Lecture	Daily

11. Course Evaluation
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc
12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
Physiology
2. Course Code:
MU0532103

3. Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5.Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
60hr. Units.4
.7 Course administrator's name (mention all, if more than one name)
Name: sahar kamel Email: sahr.k@alimamunc.edu.iq
8.Course Objectives

Course Objectives	**General Objective:** At the end of the academic year, the student will be able to understand the functions of the body's various systems and act in emergency and pathological cases and their relationship to anesthesia. **Specific Objectives: -** The student will be able to: 1- The student will recognize the importance and function of some vital systems in the body such as the cardiovascular system and their relationship to the work of anesthesia.

	2- It is easy to identify some disorders and pathological conditions in these vital systems and their effect on the nature of the work of anesthesia. 3- Quickly use devices and tools in the laboratory. 4- Quickly perform various examinations of different bodies
9. Teaching and Learning Strategies	
Strategy	1- Method of giving lectures. 2- Student Center 3- Team Project Student groups 4- Work Shop Workshops 5- Scientific trips to explore medical laboratories that wok on diagnosis of diseases of the body in general and the mouth in particular

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	2	derstand e lecture	electrical components and activity of the hea	ecture lab	iz + ttendance
2nd	2	nderstand the lecture	the cardiac action potential in ventricula muscle and pacemake tissues	**cture lab**	iz + ttendance
3rd	2	derstand the lecture	contractile cardiomyocytes and excitation-contraction coupling	ecture lab	iz + ttendance
4th	2	derstand the lecture	ECG and arrhythmia	ecture lab	iz + ttendance
5th	2	nderstand the lecture	cardiac cycle	ecture lab	iz + ttendance
6th	2	nderstand the lecture	heart sound and waveforms generated during cardiac cycle	ecture lab	iz + ttendance
7th	2	nderstand the lecture	the left ventricle pressure-volume loop	ecture lab	iz + ttendance
8th	2	nderstand the lecture	cardiac innervation an control of heart rate	ecture lab	iz + ttendance
9th	2	nderstand the lecture	Cardiac reflexes	ecture lab	iz + ttendance
10th	2	nderstand the lecture	systemic circulation	ecture lab	iz + ttendance
11th	2	nderstand the lecture	blood pressure regulation	ecture lab	iz + ttendance

Course Structure

12th	2	nderstand the lecture	physiology of microcirculation(starli law of capillary)	ecture lab	iz + ttendance
13th	2	nderstand the lecture	venous circulation and venous return	ecture lab	iz + ttendance
14th	2	nderstand the lecture	coronary circulation	ecture lab	Quiz + attendance
15th	2	nderstand the lecture	spirometery a n d lung volume	ecture lab	iz + ttendance

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	References: 1. Pharmacology and physiology for anesthesia, foundation and clinical application, 2nd edition, Hugh C. Hemmings, Jr., MD, PhD, FRCA, 2013 2. Pharmacology and physiology in anesthetic practice, fifth edition, Pamela Flood, MD, MA, 2015
Recommended books and references (scientific journals, reports...)	Scientific journals
Electronic References, Websites	

1. Course Name:

Medical terms
2. Course Code:
MU0532107
3.Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5.Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
30.hr. Units.2
.7 Course administrator's name (mention all, if more than one name)
Name: Hind Khaled Email: hkhalid954@gmail.com
8.Course Objectives

Course Objectives	**Understanding the responsibilities encountered th e students The student must be able to distinguish the prefix ,suffix, root ending of medical terms**
9. Teaching and Learning Strategies	
Strategy	Lectures using PowerPoint presentations Whiteboard Educational films Display screens E-learning Smart screen

10.Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1+2	2 hr	Understanding lecture	Introduction– structural analysis- Basic rules of medical word building.	Lecture	Quick exam
3+4	2 hr	Understanding lecture	Major suffixes- suffixes denoting a state or condition.	Lecture	Quick exam
5+6	2 hr	Understanding lecture	Major suffixes- suffixes denoting medical actions.	Lecture	Quick exam
7+8	2 hr	Understanding lecture	Prefixes- prefixes of No.& measures.	Lecture	Quick exam

9+10	2 hr	Understanding lecture	Prefixes- prefixes of color.	Lecture	Quick exam
11+12	2 hr	Understanding lecture	Prefixes- prefixes of direction & position.	Lecture	Quick exam
13+14	2 hr	Understanding lecture	Prefixes- prefixes of size, time & place	Lecture	Quick exam
15+16	2 hr	Understanding lecture	Prefixes- prefixes of negation	Lecture	Quick exam
17+18	2 hr	Understanding lecture	Prefixes- prefixes of type.	Lecture	Quick exam
19+20	2 hr	Understanding lecture	Roots.	Lecture	Quick exam
21+22	2 hr	Understanding lecture	Word terminals.	Lecture	Quick exam

23+24	2 hr	Understanding lecture	Conditions.	Lecture	Quick exam
25+26	2 hr	Understanding lecture	The body as a whole.	Lecture	Quick exam

11.Course Evaluation
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

8. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	comprehensive Medical Terminology 5th Edition
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

وصف مقررات

المرحلة الثالثة

1. Course Name:
Anesthesia equipments 2
2. Course Code:
MU0533103
3.Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026

5.Available Attendance Forms:	
Weekly (theory + practical)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30.hr. Units.2	
.7 Course administrator's name (mention all, if more than one name)	
Name: Ghassan firas Email:	
8.Course Objectives	
Course Objectives	**General objective:** To introduce all medical devices used in anesthesia. **Special goals:** - At the end of the academic year, the student will be able to: - Using all the different anesthesia devices and connecting them to the patient. Maintenance and maintenance of all anesthesia equipment.
10. Teaching and Learning Strategies	
Strategy	Theoretical methods, practical laboratory and hospital methods, as well as illustrations and educational videos And also the method of open discussion With tests at the end of the lecture Also, the way the cysts are displayed (case report and scenario)
10.Course Structure	

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1-2	4 H	lecture Understanding	**Anaesthetic circuts & sodalime absorbe.**	lecture	Quick,
3-5	4 H	lecture Understanding	**Vaporizers introduction. Simple vaporizers, Advanced vaporizers.**	lecture	Quick
6-7	4 H	lecture Understanding	**Boyles machine, introduction, components.**	lecture	Quick
	4 H	lecture Understanding	**Flow meters, tubbing &**	lecture	Quick

8-9			**central pipeline supply.**		
10	4 H	lecture Understanding	**Suction unit.**	lecture	Quick
11 - 13	4 H	lecture Understanding	**Ventilators, simple, advanced.**	lecture	Quick
14 - 21	4 H	lecture Understanding	**Monitoring system introduction, pulmonary function test, spirometers lung volumes, pulse oximeter,**	lecture	Quick,
			capnograph , blood loss & estimations , C.V.P, Arterial blood pressure,		

			E.C.G radial temperature reading.		
22 -23	4 H	lecture Understanding	**Daily check up & maintenance.**	lecture	Quick
24 - 25	4 H	lecture Understanding	**Pressure regulators, pressure reducing valve.**		Quick
26	4 H	lecture Understanding	**Humidifiers.**	lecture	Quick
27 - 28	4 H	lecture Understanding	**Sterilizations.**	lecture	Quick
	4 H	lecture Understanding	**Advanced equipments, blood warms, Epidural catheters,**	lecture	Quick

29 - 30			**Arterial blood gas analysis, defibrillator, peripheral nervestimulator (E.M.G study).**		

11.Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
1. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Essential anesthesia equipment Baha alshake anesthesia equipment Basic miller of anesthesia Morgan and mikhails
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Anesthesia and analgesia journal British journal of anesthesia Others
Electronic References, Websites	

1. Course Name:

Internal Medicine (2)	
2. Course Code:	
MU0533104	
3.Semester / Year:	
2025-2024	
4. Description Preparation Date:	
28-6-2025	
5.Available Attendance Forms:	
Weekly (theory + practical)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30.hr. Units.4	
.7 Course administrator's name (mention all, if more than one name)	
Name:Muafaq Sadeam Email:	
8.Course Objectives	
Course Objectives	**Introducing important internal diseases that include diabetes, high blood pressure, kidneys, and glands** **Endocrine, respiratory and cardiac** **Teaching appropriate diagnostic methods and examinations**

	Teaching therapeutic procedures and medications that can be used…..
11. Teaching and Learning Strategies	
Strategy	Giving weekly lectures based on clarification methods and practical training in laboratories, hospitals and health institutions Conducting daily and quarterly exams to test students Assigning students to various activities, such as making posters and bringing planning models and models of tissues and diseases
10.Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
irst/second hird/fourth	hree hours hree hours hree hours	edici ne	rculato system and blood ressure	endan ce	riti n nd ral am
Fifth/sixth venth/eight h Ninth/tenth eventh/twe lfth thi	hree hours hree hours Three hours		iabetes ongesti e heart disease Heart failure Heart rhythm disord		s

11.Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Davidsons principles of medicine
Main references (sources)	Harrisons in medicine
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
Anesthesia Technology 2
2. Course Code:
MU05330101
3.Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5.Available Attendance Forms:

Weekly (theory + practical)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30.hr. Units.4	
.7 Course administrator's name (mention all, if more than one name)	
Name: Maess Taha Email:	
8.Course Objectives	
Course Objectives	**Pre-operative risk assessment of patients undergoing anesthesia , Key preoperative evaluation** **(patient history, physical exam, laboratory results)** **Perform emergency airway management , utilizing a rapid sequence induction in the OR** **Indications for the use of routinely used anesthetic drugs** **Major cardiovascular and respiratory effects of routinely used anesthetic drugs** **rovide continual medical assessment of the patient** **Monitor and control the patient's vital life functions, including heart rate and rhythm, breathing,** **blood pressure, body temperature and body fluid balance** **Control the patient's pain and level of consciousness to make conditions ideal for a safe and** **successful surgery**
3. Teaching and Learning Strategies	
Strategy	At the end of the academic year, the student will be able to -:

	• Use all different anesthesia devices . • Maintenance and maintenance of all anesthesia equipment . • Identify all parts of medical equipment used in anesthesia and their techniques.
10.Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	7	Theory-practical	Assessment of patients befor anaesthesia	lecture	Immanence+ quiz
2nd	7	heory-actical	Permedication	lecture	Immanence+ quiz
3rd	7	heory-actical	Anaesthesia agents (Intra venou	ecture	Immanence+ quiz
4th	7	heory-actical	Anaesthesia agents (Inhalationa	ecture	Immanence+ quiz
5th	7	heory-actical	Anaesthesia for obstetric gynecology	ecture	Immanence+ quiz
6th	7	heory-actical	Anaesthesia for paediatric sur & ABGAR score	ecture	Immanence+ quiz
7th	7	heory-actical	Anaesthesia fro geriatric surgery	ecture	Immanence+ quiz
8th	7	heory-actical	Anaesthesia for obese patients	ecture	Immanence+ quiz
9th	7	heory-actical	Regional anaesthesia	ecture	Immanence+ quiz
10th	7	heory-actical	Anaesthesia for E.N.T	ecture	Immanence+ quiz
11th	7	heory-		ecture	Immanence+ quiz

11.Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
4. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Essential anesthesia equipment Baha alshake anesthesia equipment Basic miller of anesthesia Morgan and mikhails
Main references (sources)	Other book of clinical anesthesiology
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
General surgery
2. Course Code:
MU05330105
3.Semester / Year:

2025-2024
4. Description Preparation Date:
28-6-2025
5.Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
30.hr. Units.4
.7 Course administrator's name (mention all, if more than one name)
Name: Sauod Najem Email:
8.Course Objectives

Course Objectives	**Introducing the student to the various organs of the body and the impact of injuries and diseases on them in terms of physiological and anatomical and the resulting sequelae…..** **• • Introducing the student to the symptoms and signs of these conditions and the basic frameworks in dealing with them…..** **• • Introducing the student to critical cases that need surgical intervention and focusing on emergency cases…..** **• 1. Teaching and learning strategies…..**

3. Teaching and Learning Strategies	
Strategy	Introducing the student to the cases that need surgical intervention (for what they may encounter during their work in operations and intensive care)
10.Course Structure	

Evaluation method	education method	Unit cours / name e or topic	Required learning outcomes	hours	the wee k
theory exam	Presentation of the scientific article	Acute appendicitis	Understand the lecture	hours of theory ٢	١٠
theory exam	Presentation of the scientific article	Breast diseases	Understand the lecture	hours of theory ٢	. ٢
theory exam	Presentation of the scientific article	Urinary syst em diseases and infection	Understand the lecture	hours of theory ٢	. ٣
theory exam	Presentation of the scientific article	Chest trauma	Understand the lecture	hours of theory ٢	. ٤
theory exam	Presentation of the scientific article	Intestinal obstruction	Understand the lecture	hours of theory ٢	. ٥
theory exam	Presentation of the scientific article	Peritoneum	Understand the lecture	hours of theory ٢	. ٦
theory exam	Presentation of the scientific article	Thyroid	Understand the lecture	hours of theory ٢	. ٧

11.Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
4. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	1.Clinical Anatomy for Medical Students: Ritchard S. Snell . .2 Bailey and love short practice in surgery: Henry Hamilton Bailey
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
ICU1
2. Course Code:
MU0533102
3.Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5.Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
30.hr. Units.4
.7 Course administrator's name (mention all, if more than one name)
Name: Hadefa Email:
8.Course Objectives

Course Objectives	1. Understand the responsibilities that will be placed upon him. 2. Teaching the subject aims to familiarize the student with the

	basics of using and maintaining devices. 3. Determining the appropriate training pattern according to the work site. 4. Familiarity with all anesthesia devices. Act wisely on how to manage the patient in the event of an emergency situation.
9. Teaching and Learning Strategies	
Strategy	A- Knowledge and Understanding A1. Teaching the course aims to provide students with knowledge about the basics Of using and maintaining intensive care devices in intensive care units. Subject-specific skills B1. At the end of the year, the student will be able to maintain the equipment. B2. Operating the devices B3. Disassemble and re-install the devices

10.Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1+2	2 theory	understand the lecture	Introduction to ICU	lecture	Short exam
3+4	2 theory	understand the lecture	Lung physiology and volumes	lecture	Short exam
5+6	2 theory	understand the lecture	O2 and CO2 in blood	lecture	Short exam

7+8	2 theory	understand the lecture	Respiratory failure	lecture	Short exam
9+10	2 theory	understand the lecture	CPAP& BIPAP	lecture	Short exam
11+12	2 theory	understand the lecture	Modes of ventilation	lecture	Short exam
13+14	2 theory	understand the lecture	Body fluids & electrolytes	lecture	Short exam
15+16	2 theory	understand the lecture	Shock	lecture	Short exam
17+18	2 theory	understand	Autonomic nervous system	lecture	Short exam

		the lecture			
19+20	2 theory	understand the lecture	Cardiac arrest	lecture	Short exam
21+22	2 theory	understand the lecture	Acid base balance	lecture	Short exam
23+24	2 theory	understand the lecture	HCO3 & ABG	lecture	Short exam
25+26	2 theory	understand the lecture	Intra cranial pressure	lecture	Short exam

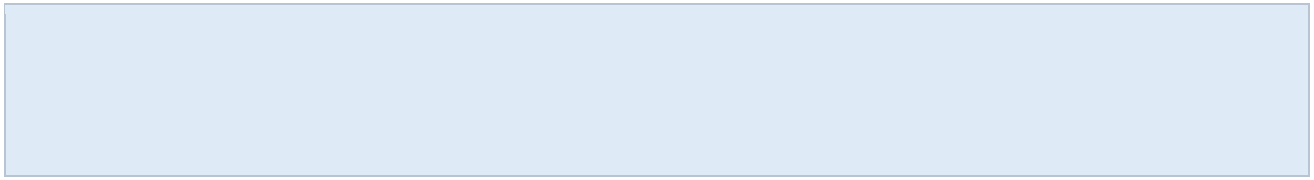
11.Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
10. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	***1-ABC of intensive care.* 2nd ed.,** *Graham R. Nimmo* 2- **The Anesthesia Technician & Technologist's Manual**
Main references (sources)	***1. clinical anesthesiology. 5th ed.,* John F. Butterworth IV, MD**
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
Computer Application
2. Course Code:
MU0533206
3.Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5.Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
30.hr. Units.2
.7 Course administrator's name (mention all, if more than one name)

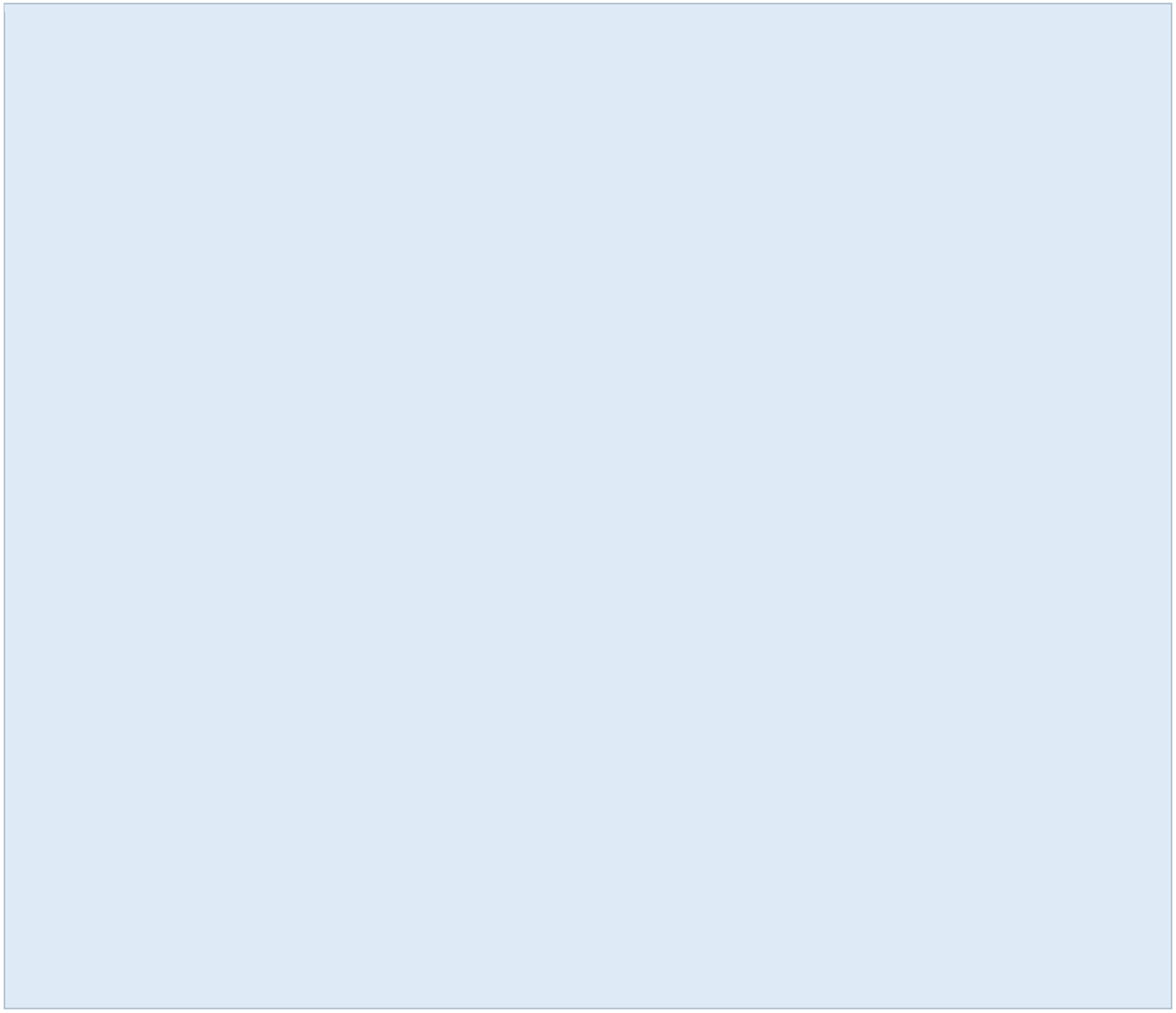
Name: Areag Sami Email:	
8.Course Objectives	
Course Objectives	Knowing the components of the calculator and how to enter data, distinguish its types, save it, and retrieve it. Benefiting from statistical and educational programs, graphs, conducting applications, and dealing with commands on the computer.
3. Teaching and Learning Strategies	
Strategy	Extracting reports for rows and columns and dealing with charts, graphs, etc. A6 - The student should know how to compare means and compare variables (correlate) or (regression) and most of the important commands in the program. A7 - Getting to know the Encyclopedia of Human body program, its concept and operation, learning about the components of the main screen, dealing with data and the steps to search in it, and getting to know the vocabulary of the human body. A8 - To become familiar with (Body Work), its concept and operation, and for the student to become familiar with its components The main screen and dealing with important options and menus A9 - Discussing the presentations and explanations that the program provides for various parts of the body such as Muscles, Nervous, etc. A10 - Take advantage of the audio or pronunciation of the vocabulary in the program, as well as the existing animated films, and address community health by choosing Health & Fitness, as well as choosing useful lessons or quick tests, as well as choosing Living to learn about the causes of deaths, births, etc.

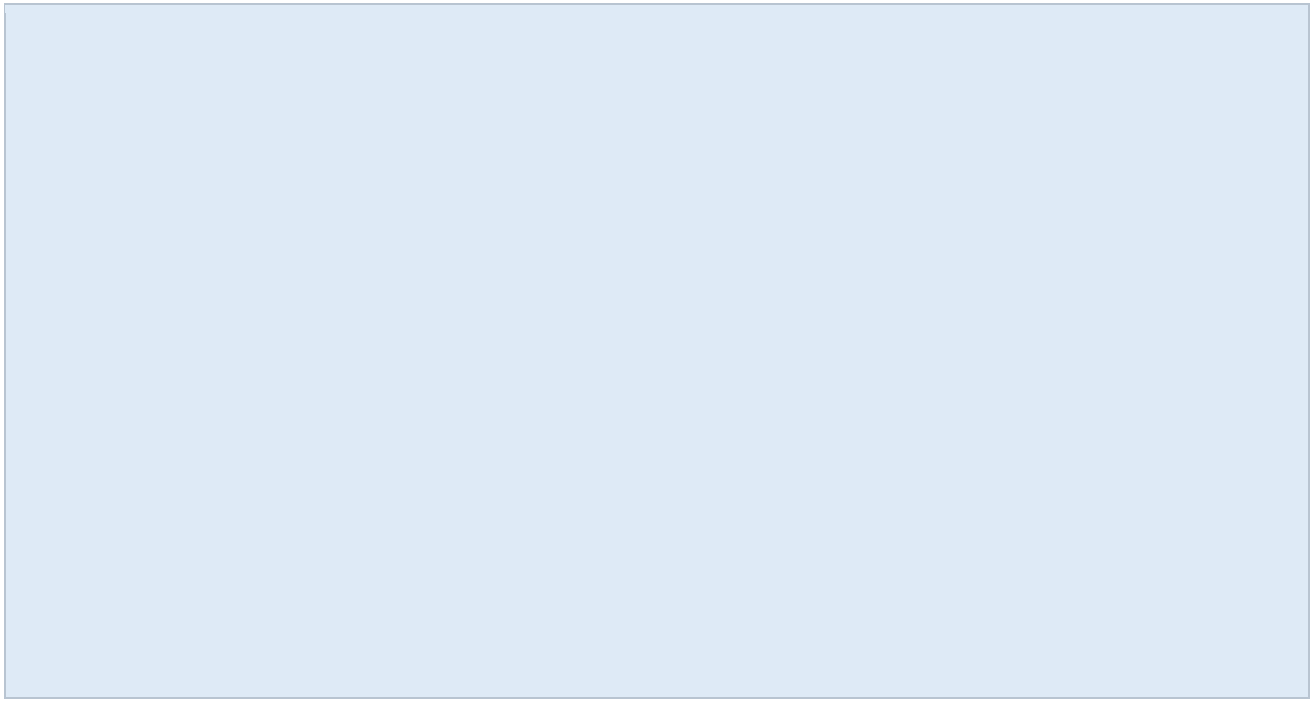
10.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
The first week	2 Theoretical 1 practical	Understand the lecture	Introduction of spss	Laboratory lecture	the exam Short exam
					and the sudden exam and daily activity
The second week	2 Theoretical practical 1	Understand the lecture	Variable view and Data view	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The third week	2 Theoretical practical 1	Understand the lecture	Transformation and analysis	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The fourth week	2 Theoretical practical 1	Understand the lecture	descriptive statistic Frequencies	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The fifth week	2 Theoretical practical 1	Understand the lecture	Mean and median	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The sixth week	2 Theoretical practical 1	Understand the lecture	summary	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The seventh week	2 Theoretical practical 1	Understand the lecture	compare means correlate regression	Laboratory lecture	the exam Short exam and the sudden exam and daily activity

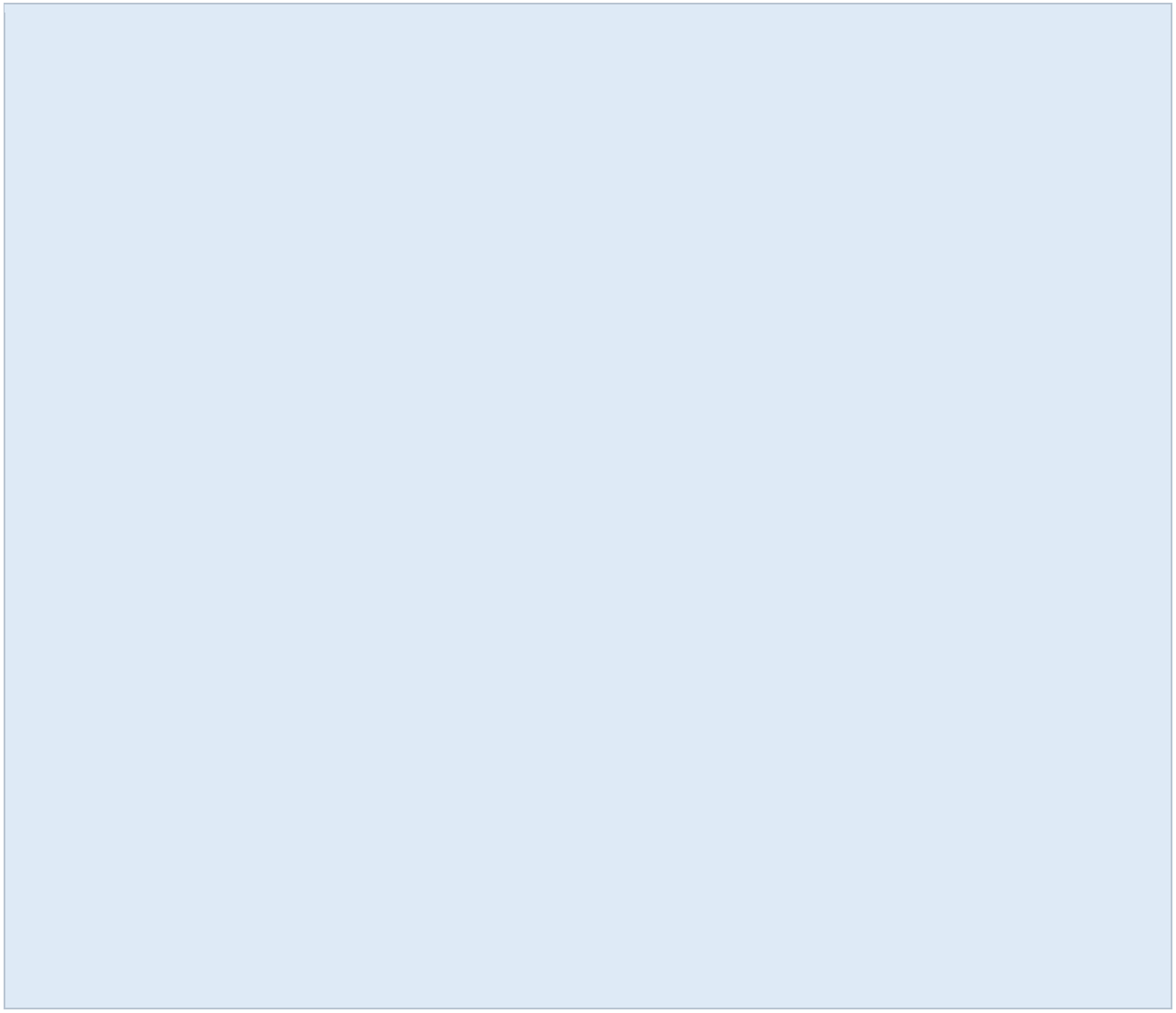


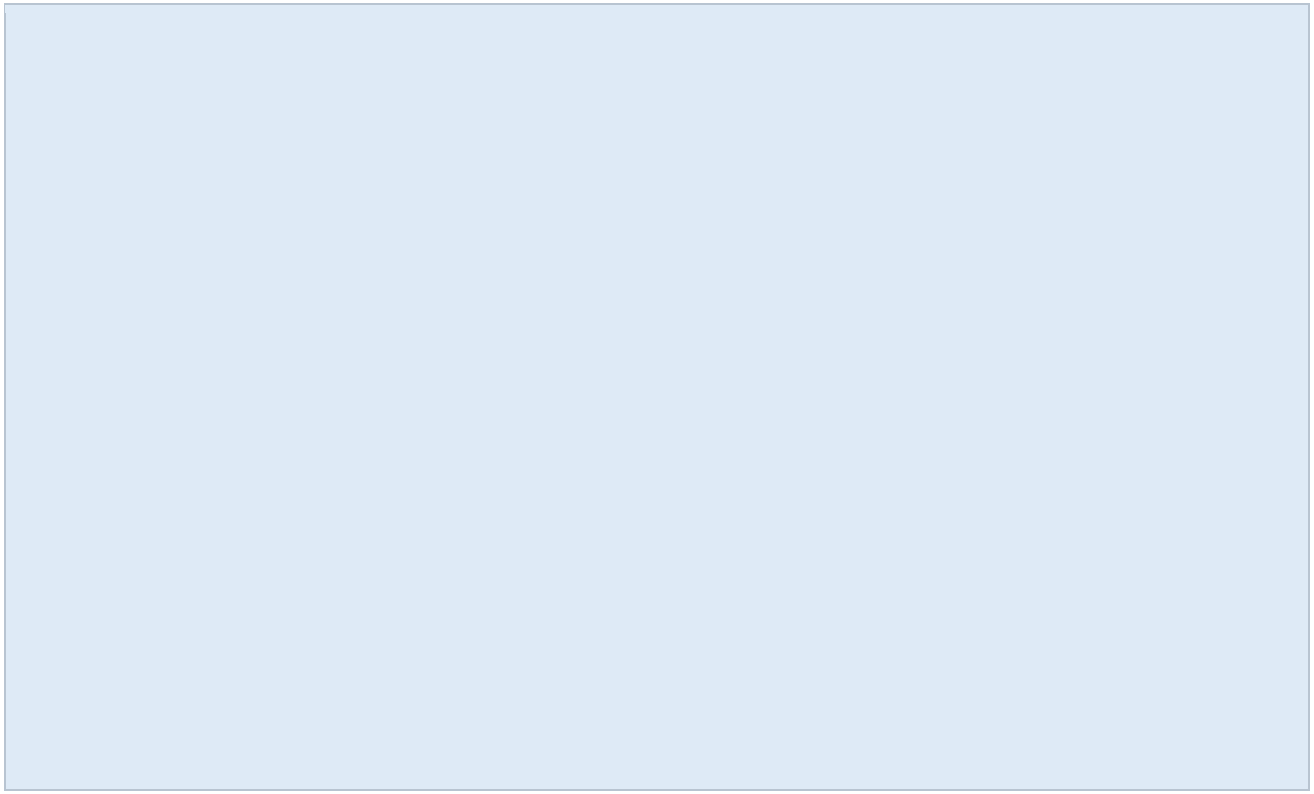
			samples related, several samples independent, several sample related).		
The twelfth week	2 Theoretical practical 1	Understand the lecture	Summarize (cross tabs) , custom tables (Basic tables), Anova Models (one - way), non parametic methods (one sample, two sample, independent, two samples related, several samples independent, several sample related).		
The thirteenth week	2 Theoretical practical 1	Understand the lecture	Summarize (cross tabs) , custom tables (Basic tables), Anova Models (one - way), non parametic methods (one sample, two sample, independent, two samples related, several samples independent, several sample related).	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The fourteenth week	2 Theoretical practical 1	Understand the lecture	Summarize (cross tabs) , custom tables (Basic tables), Anova Models (one - way), non parametic methods (one sample, two sample, independent, two samples related, several samples independent, several sample related).	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The fifteenth week	2 Theoretical practical 1	Understand the lecture	Summarize (cross tabs) , custom tables (Basic tables), Anova Models (one - way), non parametic methods (one sample,	Laboratory lecture	the exam Short exam and the sudden exam and daily activity





			two sample, independent, two samples related, several samples independent, several sample related).		
The sixteenth week	2 Theoretical practical 1	Understand the lecture	Encyclopedia of Humman body	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The seventeenth week	2 Theoretical practical 1	Understand the lecture	Encyclopedia of Humman body	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The eighteenth week	2 Theoretical practical 1	Understand the lecture	Encyclopedia of Humman body	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The nineteenth week	2 Theoretical practical 1	Understand the lecture	Encyclopedia of Humman body	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The twentieth week	2 Theoretical practical 1	Understand the lecture	Show	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The twenty-one week	2 Theoretical practical 1	Understand the lecture	Body works Health & Fitness Living Lessons	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The twenty-second week	2 Theoretical practical 1	Understand the lecture	Body works Health & Fitness Living Lessons	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The twenty-third week	2 Theoretical practical 1	Understand the lecture	Body works Health & Fitness Living Lessons	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The twenty-fourth week	2 Theoretical practical 1	Understand the lecture	Body works Health & Fitness Living Lessons	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The twenty-fifth week	2 Theoretical practical 1	Understand the lecture	Body works Health & Fitness Living Lessons	Laboratory lecture	the exam Short exam and the sudden exam and daily activity





The twenty-sixth week	2 Theoretical practical 1	Understand the lecture	Body works Health & Fitness Living Lessons	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The twenty-seventh week	2 Theoretical practical 1	Understand the lecture	Body works Health & Fitness Living Lessons	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The twenty-eighth week	2 Theoretical practical 1	Understand the lecture	Body works Health & Fitness Living Lessons	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The twenty-ninth week	2 Theoretical practical 1	Understand the lecture	Body works Health & Fitness Living Lessons	Laboratory lecture	the exam Short exam and the sudden exam and daily activity
The thirtieth week	2 Theoretical practical 1	Understand the lecture	Body works Health & Fitness Living Lessons	Laboratory lecture	the exam Short exam and the sudden exam and daily activity

11.Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

4. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Norusis, M. (2008). SPSS 16.0 advanced statistical procedures companion . Prentice Hall Press .

	Morgan, G. A., Barrett, K. C., Leech, N. L., & Gloeckner, G. W. (2019). IBM SPSS for introductory statistics: Use and interpretation. Routledge
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Electronic reference for information
Electronic References, Websites	

وصف مقررات
المرحلة الرابعة

1. Course Name:
Anesthesia equipments 3
2. Course Code:
MU0534002
3.Semester / Year:
2025-2026

4. Description Preparation Date:
28-3-2026
5.Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
30.hr. Units.4
.7 Course administrator's name (mention all, if more than one name)
Name: Abdurrahman saeed Mahdi Email: Ibruia50@gamil.com
8.Course Objectives

Course Objectives	**1.the student should understand his role and responsibilities in providing anesthesia care 2. educating the student about different equipments that are present in the operation rooms & intensive care units 3. knowledge about the main features of these equipments 4. knowledge about the performance of these equipments while providing anesthesia or while providing monitoring care in the intensive care units**
3. Teaching and Learning Strategies	
Strategy	Smart White board, Posters, Handouts, Lecture,
10.Course Structure	

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1 - 5	4 H	lecture Understanding	**Suction units**	lecture	Quick,
6 - 10	4 H	lecture Understanding	**Ventilators**	lecture	Quick
11 - 20	4 H	lecture Understanding	**Monitoring system**	lecture	Quick
21 - 24	4 H	lecture Understanding	**Electrical hazards**	lecture	Quick
25 - 27	4 H	lecture Understanding	**Layout+ contents of anesthetics room and R.C.U**	lecture	Quick
28 - 30	4 H	lecture Understanding	**Electro cardiography**	lecture	Quick

				l	

11.Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
4. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Understanding anesthesia equipment Miller of anesthesia Baha al shake for anesthesia equipment Morgan of anesthesia Oxford of clinical anesthesia
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
BASICS OF SURGERY
2. Course Code:
MU0534004
3.Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5.Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
30.hr. Units.4
.7 Course administrator's name (mention all, if more than one name)
Name: Saad jasem Mohammed Email: saad.j@alimamunc.edu.iq

8.Course Objectives	
Course Objectives	• Identify the surgical and internal foundations and their relationship to applied physiology for the vital organs of the human body. • Understanding the effects of internal diseases on the body and how to deal with them, as well as clarifying the surgical complications that may occur during anesthesia and how to avoid them. • Understanding the pharmacological effects of anesthetic drugs on the body, the number of anesthetic drugs used, how to deal with surgical complications that may occur during anesthesia, and how to avoid them.
3. Teaching and Learning Strategies	

Strategy	, A1- The student should understand the internal foundations and applied physiology and their relationship to surgery A2- That the student applies what he has learned in dealing with medical cases that he may encounter A3- That the student can analyze and identify the surgical problems that may occur to the patient during anesthesia and how to avoid them A4- That the student can identify the internal problems that may occur to the patient during anesthesia and how to deal with them A5- That the student can evaluate the level of safety in medical procedures in surgery A6- The student should be able to determine the causes of medical and surgical complications and procedures for the patient

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	5	Theory-practical	Trauma	lecture	Immanence+ quiz
2nd	5	Theory-practical	Trauma	lecture	Immanence+ quiz
3rd	5	Theory-practical	Shock(types,pathophysiology, management	ecture	Immanence+ quiz
4th	5	Theory-practical	Burn, plastic surgery	ecture	Immanence+ quiz
5th	5	Theory-practical	Warfare injuries	ecture	Immanence+ quiz
6th	5	Theory-practical	Management haemopneumothorax flail chest	ecture	Immanence+ quiz
7th	5	Theory-practical	Head injuries, S management unconscious patie	ecture	Immanence+ quiz

9th	5	Theory-Practical	Head injuries, S management unconscious patie Spinal injuri peripheral ner injuries, Tracheoston otolaryngiology	ecture	Immanence+ quiz
10th	5	Theory-Practical	D.M : complicatio management, preparation operation	ecture	Immanence+ quiz
11th	5	Theory-Practical	Amputations	ecture	Immanence+ quiz
12th	5	Theory-Practical	Endocrinology: Pituitary gland, Thyr	ecture	Immanence+ quiz

			gland, Parathyr gland & calciu balance, Adrenal glar		
13th	5	Theory-Practical	Endocrinology: Pituitary gland, Thyr gland, Parathyr gland & calciu balance, Adrenal glar	ecture	Immanence+ quiz
14th	5	Theory-Practical	Endocrinology: Pituitary gland, Thyr gland, Parathyr gland & calciu balance, Adrenal glar	ecture	Immanence+ quiz
15th	5	Theory-Practical	Endocrinology: Pituitary gland, Thyr gland, Parathyr gland & calciu balance, Adrenal glar	ecture	Immanence+ quiz
16th	5	Theory-Practical	Preparation of patie with obstruct jaundice	ecture	Immanence+ quiz
17th	5	Theory-Practical	Preparation of patie with por hypertension due cirrhosis	ecture	Immanence+ quiz
18th	5	Theory-Practical	Surgical precautions theater and ICU	ecture	Immanence+ quiz
19th	5	Theory-Practical	Management respiratory failu ARDS	ecture	Immanence+ quiz
20th	5	Theory-Practical	Management hematemesis a melaena	ecture	Immanence+ quiz
21st	5	Theory-Practical	Management coagulopathy and DIC	ecture	Immanence+ quiz
22nd	5	Theory-	Management	ecture	Immanence+ quiz

24th	5	'heory- ractical	Transplantation	ecture	Immanence+ quiz
25th	5	'heory- ractical	Emergencies in fem genital tract: injuri Ectopic pregnancy	ecture	Immanence+ quiz
26th	5	'heory- ractical	Abortion, caesare section a hysterectomy	ecture	Immanence+ quiz
27th	5	'heory- ractical	Orthopedic surge fractures a dislocation	ecture	Immanence+ quiz
28th	5	'heory- ractical	Osteomyelitis: ac and chronic, tumors skeletal system	ecture	Immanence+ quiz
29th	5	'heory- ractical	Wrist, hand and foot	ecture	Immanence+ quiz
30th	5	'heory- ractical	Ophthalmology	ecture	Immanence+ quiz

11.Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
4. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Principles of medicine and surgery, short notes
Main references (sources)	Davidson, Macloeid BBaily and love, short practice in surgery 26th ED Swuartz clinical surgery 11th ED
Recommended books and references (scientific journals, reports...)	Medical journals and magazines
Electronic References, Websites	Electronic library

1. Course Name:
anesthesia 3
2. Course Code:

MU0534001
3.Semester / Year:
2025-2026
4. Description Preparation Date:
28-3-2026
5.Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
30.hr. Units.4
.7 Course administrator's name (mention all, if more than one name)
Name: Gasan firas Email: gasan.f@alimamunc.edu.iq
8.Course Objectives

Course Objectives	**1. Understand the responsibilities that will be placed upon him.** **2- Recognizing some special cases in anesthesia and choosing the appropriate anesthesia techniques for them** **3- Teaching the subject aims to familiarize the student with the basics of anesthesia** **4- Familiarize yourself with all the modern and scientific techniques and methods for anesthesia of the patient** **5- Act wisely when an emergency situation occurs in the operating theaters and how to deal with it.**

9. Teaching and Learning Strategies

Strategy	Weekly Theory lectures and lab practice on equipment and anesthesia techniques

Evaluation method	Required Learning Outcomes	Unit or subject name	Learning method	Hours	Week
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Maternal Anatomical & Physiological changes	Lectuers	2	1
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Paediatric Anatomical & Physiological difference.	Lectuers	2	2
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Geriatric Anatomical & Physiological changes	Lectuers	2	3
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Anaesthesia-Effects on Respiratory function.	Lectuers	2	4
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Endotracheal intubation-difficult intubation	Lectuers	2	5
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Positioning in anaesthesia , legal point about surgery, regent surgery, emergency surgery.	Lectuers	2	6
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Hypoxia during surgery and post operative legal point about pre-medical visit & physicians consultations.	Lectuers	2	7
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Co_2 changes " Hypercapnoea" " Hypocapnoea" Applications	Lectuers	2	8
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Desirabie ventilator characteristics	Lectuers	2	9
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Obeisity & Anaesthesia	Lectuers	2	10
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Alkohol & Anaesthesia	Lectuers	2	11
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Renal Disease & Anaesthesia	Lectuers	2	12
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Liver Disease & Anaesthesia	Lectuers	2	13
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Anaemia & Anaesthesia	Lectuers	2	14

10.Course Structure

Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Gastric Acid Aspiraiton syndrome, pre-eclampsia	Lectuers	2	15
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Coronoray artery diseases in non- cardiac surgery.	Lectuers	2	16
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Hypertension, Atherosclerosis, Heart failure, old.	Lectuers	2	17
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Pediatric anesthesia	Lectuers	2	18
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	One lung anaesthesia, Bronchoscopy.	Lectuers	2	19
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Diabetes Mellitis & Anaesthesia.	Lectuers	2	20
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Thyroid surgery & Anaesthesia, Pheochromoeytoma	Lectuers	2	21
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	T.U.R., Pyloric stenosis, Burns.	Lectuers	2	22
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Upper air way obstruction causes & anaesthesia.	Lectuers	2	23
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Massive blood transfusion.	Lectuers	2	24
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Control of I.c.p, Head injury, Air embolism and emergency.	Lectuers	2	25
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Geriatric anesthesia	Lectuers	2	26
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Pediatric anesthesia	Lectuers	2	27
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	TAP block	Lectuers	2	28
Lectuers and quizes	Good theory basics and clinical practice in lab and ot	Preclampsia and eclampsia	Lectuers	2	29
Lectuers and quizes	Good theory basics and clinical practice	Hypersensitivity reactions	Lectuers	2	30

11.Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
12.Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Clinical anesthesiology, Fundamental , Oxford clinical anesthesia
Main references (sources)	Teaching package from the ministry of higher education
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

1. Course Name:
Fundamentals of Nursing (I)
2. Course Code:
MU0534005
3.Semester / Year:
2025-2026

4. Description Preparation Date:
28-3-2026
5.Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
30.hr. Units.3
.7 Course administrator's name (mention all, if more than one name)
Name: Sanaa Ghazi Mustafa Email: snaaltayy672@gmail.com
8.Course Objectives

Course Objectives	**1. Recognize the principle underlying all nursing intervention procedures related to providing care to client in adult nursing care.** **2. Apply a systematic approach of analyzing the patient's problems.** **3. Utilize systematic approach of analyzing the problems.** **4. Perform basic nursing skills related to various client conditions.** **5. Utilize principles of medical /surgical asepsis and universal precautions in client care.**
3. Teaching and Learning Strategies	
Strategy	• Written Assignments • Questioning • Classroom Discussion and Debates
10.Course Structure	

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	5	Understand the lecture	Introduction about nursing	**Smart Whit board, Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
2	5	Understand the lecture	Concept of nursing process and stages	**Smart Whit board, Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
3-4	5	Understand the lecture	Preoperative nursing management and general physical Assessment	**Smart Whit board, Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
5-6	5	Understand the lecture	Pre-anesthetic, intra anesthetic	**Smart Whit board, Posters,**	Theory exam.

			and post anesthetic management of patient	**Handouts, Lecture, Skill lab.**	Practices exam.
7-9	5	Understand the lecture	Intraoperative nursing management	**Smart Whit board, Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
10-12	5	Understand the lecture	Nursing care in the recovery room	**Smart Whit board, Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
13-14	5	Understand the lecture	Postoperative nursing care	**Smart Whit board, Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
15-17	5	Understand the lecture	management of patient in the cardiac care unit	**Smart Whit board, Posters,**	Theory exam. Practices exam.
				Handouts, Lecture, Skill lab.	

18-19	5	Understand the lecture	management of the cardiovascular surgery patient	**Smart Whit board, Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
20-21	5	Understand the lecture	nursing management of intravenous therapy	**Smart Whit board, Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
22-23	5	Understand the lecture	management of patient with neurology disfunction ((unconscious patient	**Smart Whit board, Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
24-25	5	Understand the lecture	management of patient with musculo- skeletal dis-function and trauma, fracture	**Smart Whit board, Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
26-27	5	Understand the		**Smart Whit board,**	

		lecture	critical care of some cases	**Posters, Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.
28-30	5	Understand the lecture	First Aid.	**Smart Whit board,Posters,Handouts, Lecture, Skill lab.**	Theory exam. Practices exam.

11.Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
12.Learning and Teaching Resources	
Required textbooks (curricular books, if any)	1- Berman, A., Snyder, S., Frandsen, G. (2022): Kozier and Erb's Fundamentals of Nursing. United Kingdom: Pearson 2- Hinkle, J., Cheever, K., and Overbaugh, K. (2022): Brunner and Suddarths, Textbook of medical surgical nursing. 15th ed., Welters Kluwer, Lippincott Williams and Wilkins. china .
Main references (sources)	
Recommended books and references (scientific journals, reports...)	

Electronic References, Websites	

1. Course Name:
Intensive care technology
2. Course Code:
MU0534003
3.Semester / Year:
2025-2026
4. Description Preparation Date:
28-6-2026
5.Available Attendance Forms:
Weekly (theory + practical)
6. Number of Credit Hours (Total) / Number of Units (Total)
30.hr. Units.4
.7 Course administrator's name (mention all, if more than one name)
Name: Abdurrahman saeed Mahdi Email: Ibruia50@gamil.com
8.Course Objectives

Course Objectives	1. Understand the responsibilities that will be placed upon him. 2. Teaching the subject aims to familiarize the student with the basics of using and maintaining devices. 3. Determining the appropriate

	training pattern according to the work site. 4. Familiarity with all anesthesia devices. Act wisely on how to manage the patient in the event of an emergency situation.
8. Teaching and Learning Strategies	
Strategy	A- Knowledge and Understanding A1. Teaching the course aims to provide students with knowledge about the basics of using and maintaining intensive care devices in intensive care units. B. Subject-specific skills B1. At the end of the year, the student will be able to maintain the equipment. B2. Operating the devices B3. Disassemble and re-install the devices Teaching and Learning Methods The lectures
10.Course Structure	

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method

1+2	2 theory	understand the lecture	O2 cascade	lecture	Short exam
3+4	2 theory	understand the lecture	CPAP & BIPAP	lecture	Short exam
5+6	2 theory	understand the lecture	Modes of ventilation	lecture	Short exam
7+8	2 theory	understand the lecture	Pressure volume loop &compliance	lecture	Short exam
9+10	2 theory	understand the lecture	Weaning from ventilator	lecture	Short exam
11+12	2 theory	understand the lecture	ARDS	lecture	Short exam

13+14	2 theory	understand the lecture	COPD	lecture	Short exam
15+16	2 theory	understand the lecture	Pulmonary embolism	lecture	Short exam
17+18	2 theory	understand the lecture	Cardiovascular physiology	lecture	Short exam
19+20	2 theory	understand the lecture	Hypovolemic shock	lecture	Short exam
21+22	2 theory	understand the lecture	Septic shock	lecture	Short exam
23+24	2 theory	understand the lecture	Renal system	lecture	Short exam
25+26	2 theory	understand	Preeclampsia	lecture	Short exam

		the lecture			
27+28	2 theory	understand the lecture	Autonomic N S & acid base balance	lecture	Short exam
29+30	2 theory	understand the lecture	Status epilepticus and asthmaticus	lecture	Short exam

11.Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc	
12.Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	Morgan & Mikhail's Clinical Anesthesiology

Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	